

(No Model.)

R. C. McCLARRAN.
TENSION DEVICE FOR WIRE FENCES.

No. 486,385.

Patented Nov. 15, 1892.

Fig. 1.

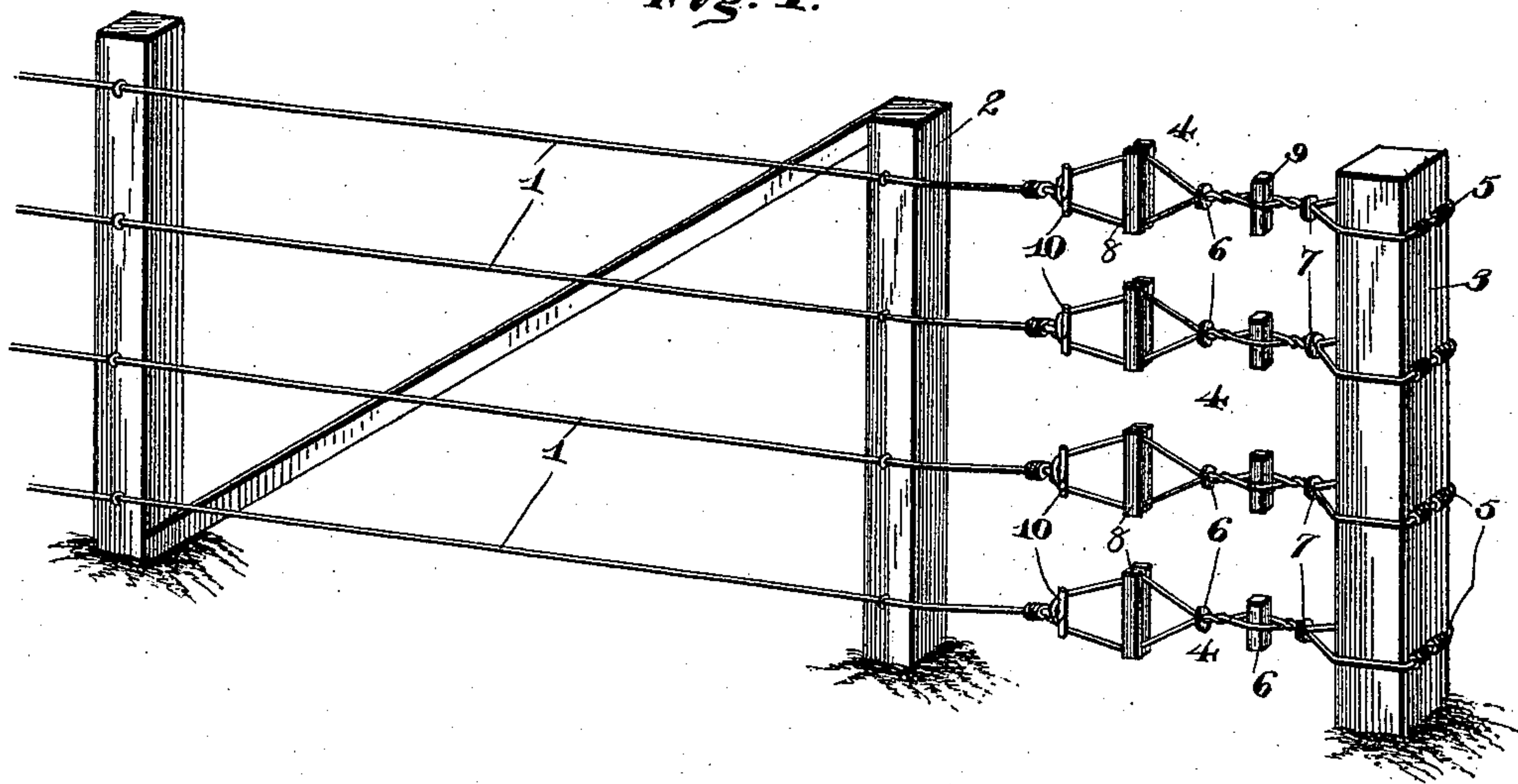
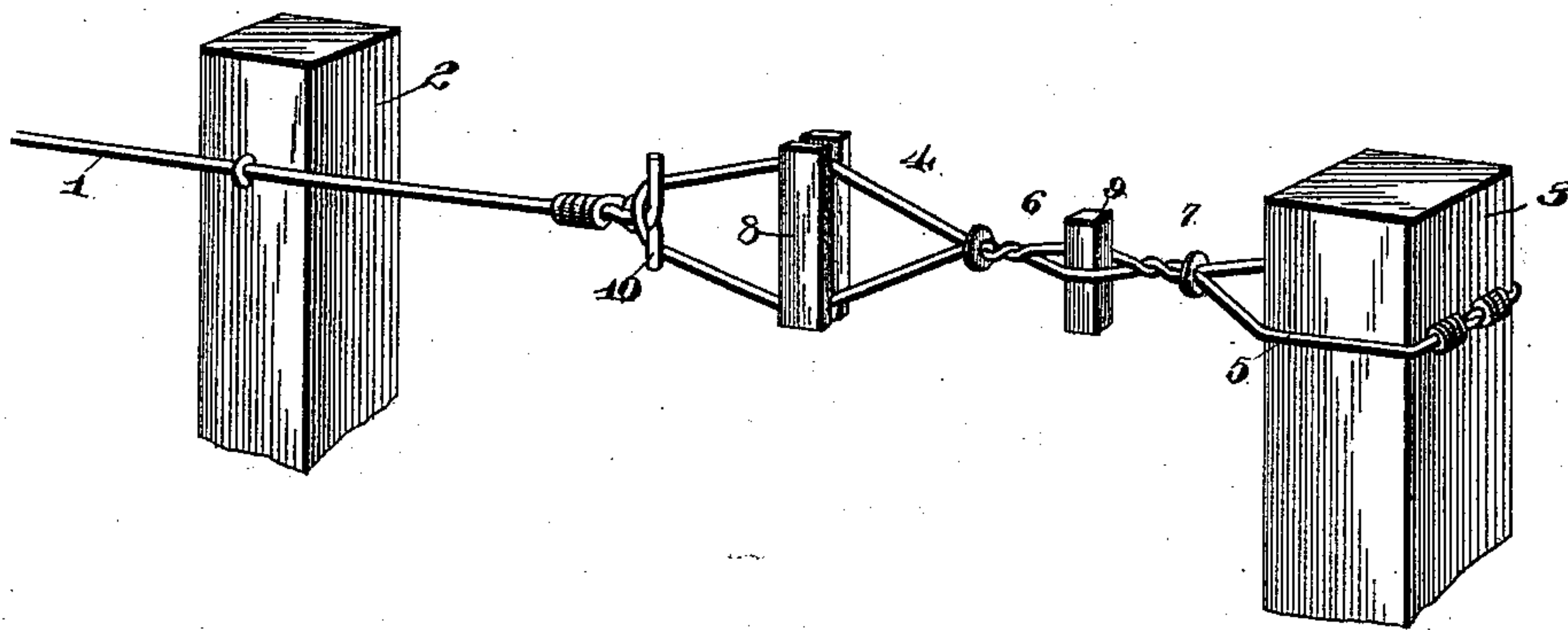


Fig. 2.



Witnesses

Chas. A. Ford,
H. J. Riley

Inventor

R. C. McCLARRAN.

By his Attorneys,

Chas. A. Snow & Co.

UNITED STATES PATENT OFFICE.

ROBERT C. McCLARRAN, OF WOOSTER, OHIO.

TENSION DEVICE FOR WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 486,385, dated November 15, 1892.

Application filed June 4, 1892. Serial No. 435,518. (No model.)

To all whom it may concern:

Be it known that I, ROBERT C. McCLARRAN, a citizen of the United States, residing at Wooster, in the county of Wayne and State of Ohio, have invented a new and useful Tension Device for Wire Fences, 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 a simple and comparatively-inexpensive permanent wire-stretcher or tension device adapted to be readily applied to a fence and capable of maintaining the wires at the desired tension.

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 wire fence provided with tension devices constructed in accordance with this invention. Fig. 2 is a detail perspective view of one of the tension devices on an enlarged scale.

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

1 designates horizontal fence-wires, which are supported by fence-posts 2 and each of which has one end connected with a tension device 4 and is adapted to be stretched by the same to the desired tension. The tension device 4 is designed to form a permanent part of the fence and is arranged between an end post 3 and an adjacent fence-post 2 and consists of a wire loop 5, which passes around the end post 3 and has its sides connected by rings 6 and 7, a spreader-bar 8, provided in its ends with notches to receive the sides of the loop and interposed between the sides of the loop at a point between the ring 6 and the adjacent end of the loop, and a twisting-bar 9, interposed between the sides of the loop and adapted to twist the same between the rings. The loop is connected with a fence-wire by a clip-bar 10, provided intermediate its ends with an eye to receive the fence-wire and linked into the loop, as shown, and the said clip-bar forms a ready means for attaching the fence-wire to the loop. The rings 6 and 7 enable

the sides of the loop to be spread, and they provide a portion adapted to be readily twisted. The rings 6 and 7 are arranged at the ends of the twisted portion and at the points where the wires diverge to the spreader-bar and to the post 3, which also serves to spread the wire, and these rings prevent the outward strain or tendency to separate of the diverging portions of the wires being communicated to the twisted portion, on which there is only longitudinal strain, which is insufficient to untwist the wires.

It will be seen that the tension device is simple and comparatively-inexpensive in construction, that it may be readily applied to a fence, and that it is capable of maintaining a fence-wire at the desired tension, and of tightening the wire from time to time.

What I claim is—

1. In a wire fence, the combination of a post, a fence-wire, and a tension device comprising a loop connected to the post and the fence-wire, rings arranged on the loop and connecting the sides of the same, a spreader-bar separating the sides of the loop between the inner end of the same and the adjacent ring, and a twisting-bar arranged between the sides of the loop at a point between the rings and adapted to twist the loop to maintain the wire at the desired tension, substantially as described.

2. In a wire fence, the combination of a post, a fence-wire, a clip-bar provided intermediate its ends with an eye receiving the fence-wire, a tension device comprising a loop connected to the post and having the clip-bar linked into it, rings arranged on the loop and connecting the sides of the same, a spreader-bar separating the sides of the loop between the clip-bar and the adjacent rings, and a twisting-bar arranged between the sides of the loop at a point between the rings and adapted to twist the loop to maintain the wire at the desired tension, 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.

ROBERT C. McCLARRAN.

Witnesses:

HIRAM B. SWARTZ,
ANNA M. GRAETER.