

(No Model.)

O. J. LINENDOLL.
FENCE MACHINE.

No. 421,945.

Patented Feb. 25, 1890.

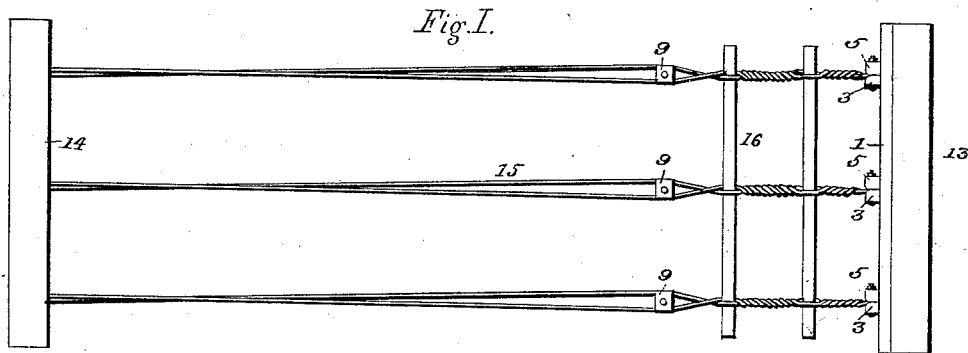


Fig. 2.

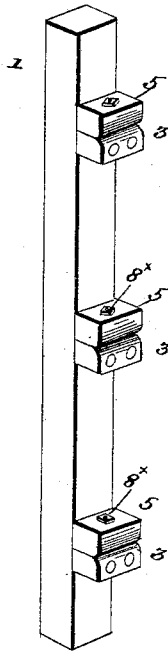


Fig. 4.

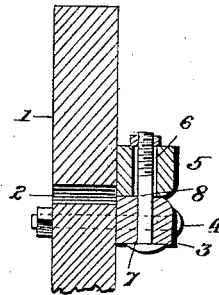


Fig. 3.

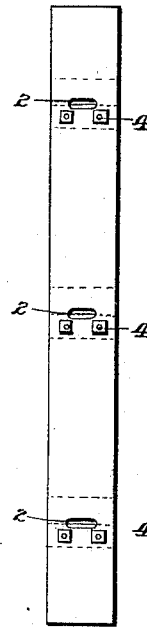
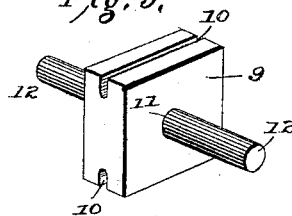


Fig. 5.



Witnesses:

Samuel Ker
W. S. Dwall

By

Attorneys,

O. J. Linendoll,
CA Snow & Co.

Inventor

UNITED STATES PATENT OFFICE.

OREN J. LINENDOLL, OF IMLAY CITY, MICHIGAN.

FENCE-MACHINE.

SPECIFICATION forming part of Letters Patent No. 421,945, dated February 25, 1890.

Application filed August 9, 1889. Serial No. 320,316. (No model.)

To all whom it may concern:

Be it known that I, OREN J. LINENDOLL, a citizen of the United States, residing at Imlay City, Lapeer county, Michigan, have invented certain new and useful Improvements in Machines for Wiring Wood Fences, of which the following is a specification.

This invention has relation to machines for wiring wood fences at the time of erecting the same, and among the objects in view are to provide an extremely cheap and simple tension device for evenly paying out the wire strands as the same are consumed or twisted and for alternately twisting the strands around each successive picket.

With these general objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a general view of my machine in operation. Fig. 2 is a perspective of the tension device; Fig. 3, a rear elevation of the same; Fig. 4, a detail in vertical section of the upper portion of the tension-bar and one of the pairs of tension-blocks. Fig. 5 is a detail in perspective of the twistors.

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

The tension device comprises a vertical bar 1, provided at equidistant points with transverse elongated slots 2.

3 represents a stationary block, one of which is mounted opposite each of the slots 2 upon the front face of the bar 1, said blocks being held in position by pairs of bolts 4.

5 represents a movable block or clamp, one of which is mounted upon each of the blocks 3, and serving to cover the remaining portion of the ends of the slots 2. The blocks 5 are provided with a vertical perforation 6 and the blocks 3 with a similar registering perforation 7 of a less diameter, and through the perforations 6 and 7 of each pair of blocks there is inserted a vertical binding-bolt 8, the body of which snugly fits the perforation 7 of the block 3 and but loosely fits the perforation 6 of the block 5, the upper end of each

of said blocks being provided with a binding-nut 8^x.

The weaving devices, which agree in number with the number of strands to the fence and with the number of pairs of blocks 3 and 5, consist of a slightly-oblong cast-metal solid plate or block 9, the longitudinal edges of which are recessed, as at 10, throughout their lengths, and the center of the plate is provided with an opening 11, through which is inserted a handle-bar 12, the ends of the bar projecting at each side of the plate.

The operation of my invention is as follows: Two posts are set into the ground at a suitable distance apart, or, where a short line of fence is to be erected, the posts indicate the subsequent terminals of said section. 13 represents one of the posts, and 14 the opposite post. To the post 13 is securely lashed the tension-bar 1, and through the openings 2 are inserted the two strands designed to be twisted. After passing the ends through the openings 2 and under the blocks 5, which have been loosened by a proper manipulation of the bolts 8, the ends of the strands are securely connected to the opposite post 14. The first slat is now introduced into the space between each pair of strands of wire and the set-nuts 8 tightened, so that the blocks 5 clamp the strands sufficiently tight to give the requisite tension. A weaving device, as described, is now inserted between each pair of the strands, a strand lying in each of the longitudinal grooves 10. The operator now grasps the handles 12 and gives each of said devices two or a series of turns in the same direction, after which a second picket is inserted and the weaving devices operated in a similar manner, but in a reverse direction, and so on throughout the length of the section it is desired to erect.

15 represents the strands of wire, and 16 the pickets.

Having described my invention, what I claim is—

The herein-described tension device, comprising a vertical bar having a series of transverse openings, a block securely bolted to

the front face of the bar opposite each of the openings, a second clamping-block mounted upon each of the stationary blocks, vertical openings formed in each pair of blocks, those
5 openings in the upper or clamping blocks being larger than the openings in the lower blocks, and a set-bolt mounted in each pair of vertical openings, the body of the screw

loosely fitting the opening of the upper block and snugly fitting that of the lower block, substantially as specified.

OREN J. LINENDOLL.

Witnesses:

JNO. W. GHRIST,
HERMAN WILDE.