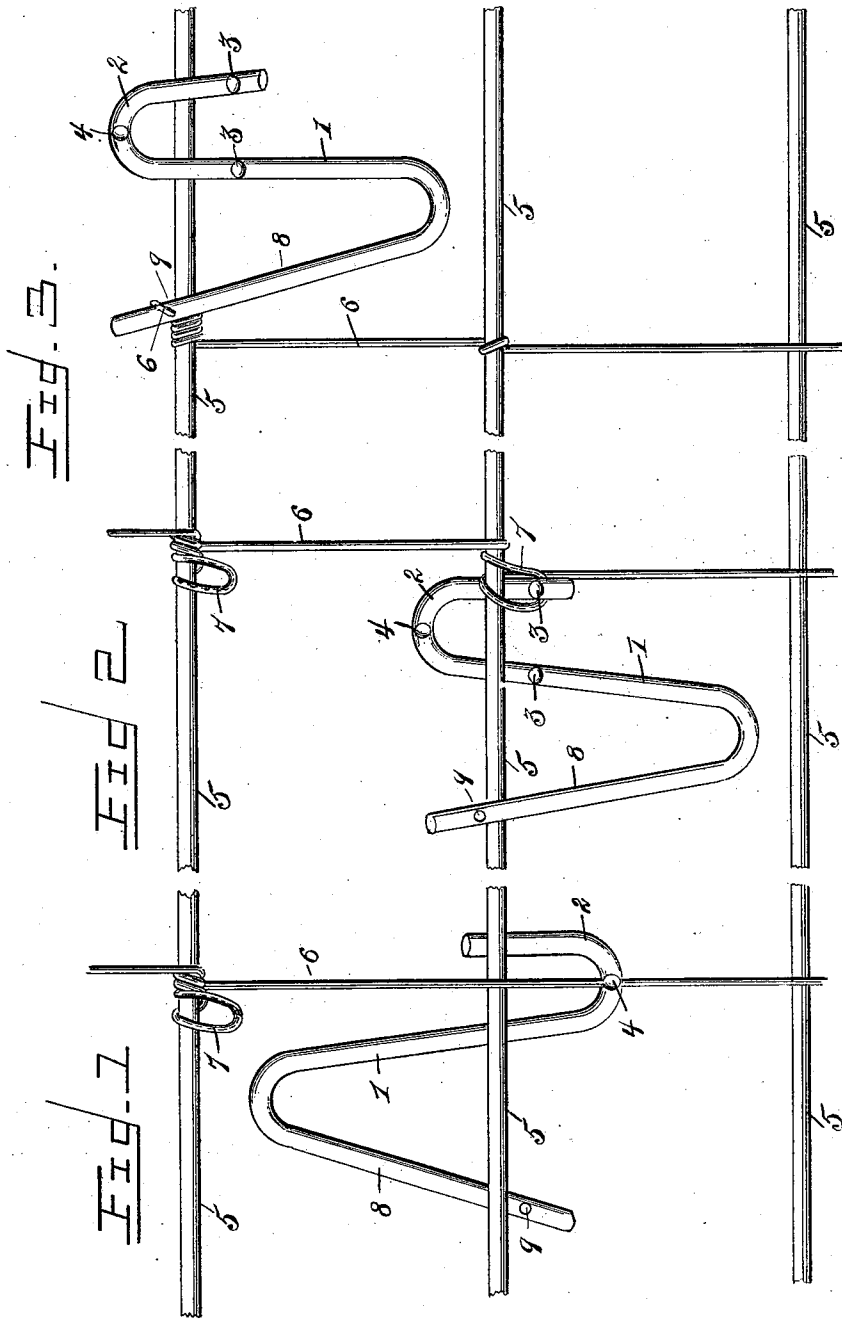


(No Model.)

T. J. ANDRE.
FENCE MAKING TOOL.

No. 558,468.

Patented Apr. 21, 1896.



Witnesses

W. J. L. Vane
W. J. L. Vane

Thomas J. Andre.

By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

THOMAS J. ANDRE, OF WAUSEON, OHIO.

FENCE-MAKING TOOL.

SPECIFICATION forming part of Letters Patent No. 558,468, dated April 21, 1896.

Application filed February 11, 1896. Serial No. 578,891. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. ANDRE, a citizen of the United States, residing at Wauseon, in the county of Fulton and State of Ohio, have invented a new and useful Fence-Making Tool, of which the following is a specification.

My invention relates to fence-making tools, and particularly to means for twisting or coiling a wire stay or tie-wire around an intersecting portion of a fence, the object in view being to provide a simple, inexpensive, and efficient device which may be readily manipulated and which is adapted to be applied and disengaged with facility.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claims.

In the drawings, Figure 1 is a side view of a tool constructed in accordance with my invention applied in the operative position to a fence-stay, as in the first step of the operation of twisting a stay around the runner. Fig. 2 is a similar view showing the second step in the operation of twisting the looped portion of the stay around the runner. Fig. 3 is a similar view of the tool arranged in engagement with the extremity of a stay or tie which it is desired to coil around the runner.

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

The twisting or coiling device embodying my invention consists of a lever 1, provided at one end with a loop 2, having approximately parallel sides, which are notched, as at 3, to form seats, said seats being preferably arranged upon both sides of the loop, whereby the tool may be used in either right-hand or left-hand work. Said loop is provided at its extremity or closed end with a similar seat 4, and when applied to a tie-wire or stay in the first step of the operation of coiling the same around a runner, as illustrated in Fig. 1, the seats 3 in the arms of the loop are arranged in engagement with a runner 5, and the seat 4 at the extremity of the loop is engaged with the tie or stay 6, whereby pressure upon the outer or free end of the lever will cause the upward bending

of said tie or stay to form a loop similar to that illustrated at 7 in Fig. 2.

In order to add to the efficiency of the tool and adapt it for operation with rapidity and certainty, I also provide the lever with an extension at the opposite end from said loop to form a bearing-arm 8, which is adapted to rest against the runner at an interval from the tie or stay and prevent the twisting of the tool.

In the second step of the operation of twisting by means of the improved device, as shown in Fig. 2, the free or outer side of the loop 2 is engaged with the loop in the tie or stay, the other side of said loop 2 and the bearing-arm being arranged, respectively, upon opposite sides of the plane of the runner in order to form a fulcrum. This arrangement of the parts gives the operator a purchase upon the loop of the tie or stays sufficient to continue the twisting or coiling thereof with comparatively slight exertion.

In order to provide for coiling the extremity of a tie or stay around a runner when it is impossible to form a loop therein, I provide the bearing-arm of the tool with a transverse perforation 9, which is adapted to be fitted upon the extremity of the tie or stay, as shown in Fig. 3.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

1. A fence-making tool having a lever provided at one end with an approximately parallel-sided loop, adapted to be engaged at its closed end with a wire to be coiled and to bear at its sides against the wire around which the coil is to be formed, substantially as specified.

2. A fence-making tool having a lever provided at one end with an approximately parallel-sided loop, the sides or arms of the loop and the closed end thereof being provided with seats for engagement with intersecting wires, substantially as specified.

3. A fence-making tool having a lever looped at one end to engage contiguous portions of intersecting wires and having a bear-

ing-arm to engage one of the wires at an interval from the loop, substantially as specified.

4. A fence-making tool having a lever looped at one end to engage contiguous portions of intersecting wires and extended at the other end to form a divergent bearing-arm to engage one of the intersecting wires at an interval from the loop, substantially as specified.

5. A fence-making tool having a lever looped at one end to engage contiguous portions of intersecting wires, and at the other

end with an extension forming a bearing-arm, said bearing-arm being perforated contiguous to its extremity or free end for engagement with the extremity of a wire to be coiled, substantially as specified. 15

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

THOMAS J. ANDRE.

Witnesses:

H. S. BASSETT,
HARRY PLANK.