

I. N. MORFORD.
WIRE TWISTER.
APPLICATION FILED FEB. 9, 1909.

942,732.

Patented Dec. 7, 1909.

Fig. 1.

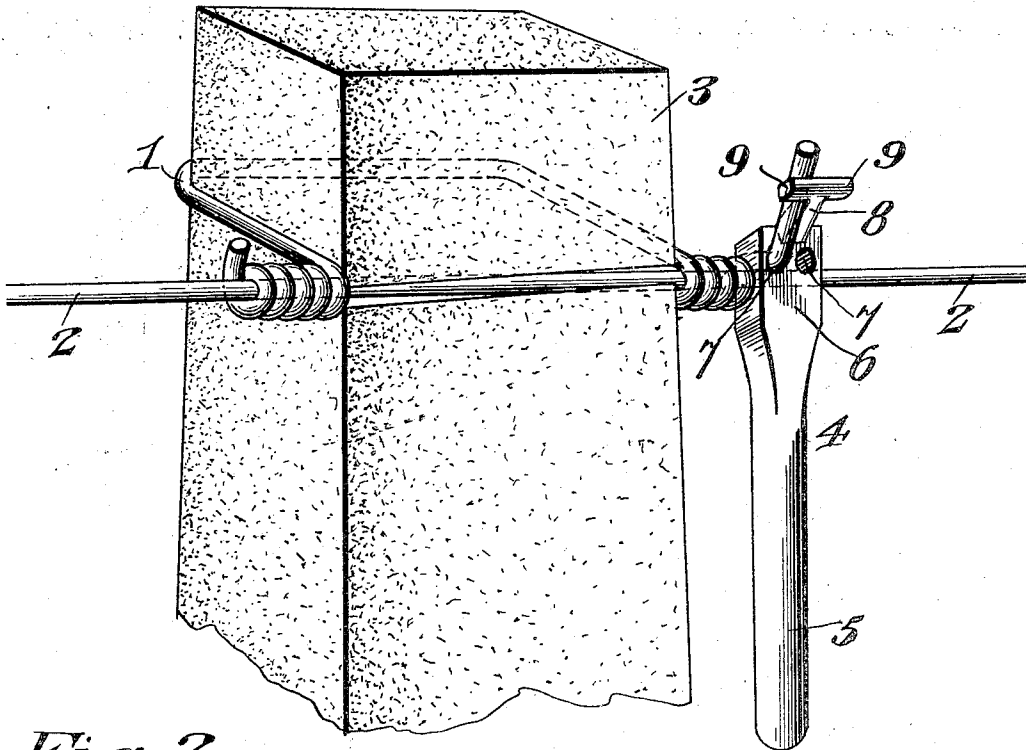


Fig. 2.

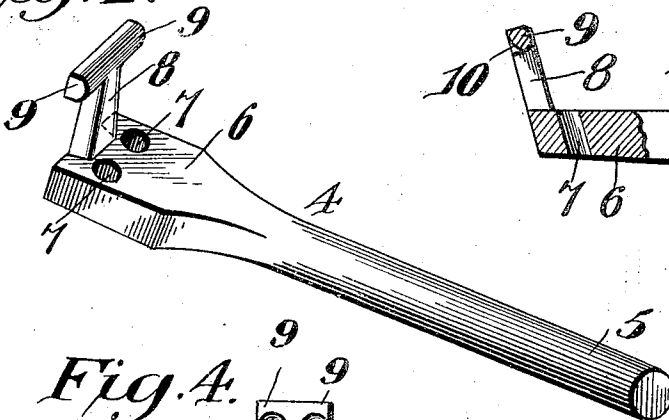


Fig. 3.

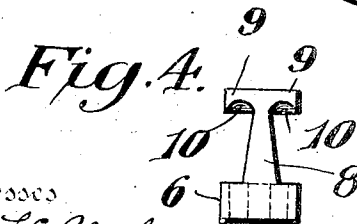
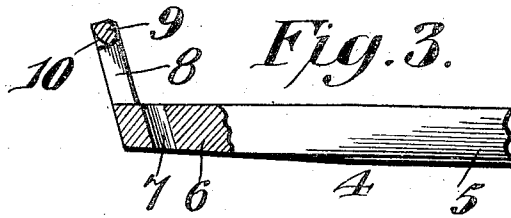


Fig. 4.

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Witnesses
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UNITED STATES PATENT OFFICE.

ISAAC N. MORFORD, OF WAYNESVILLE, ILLINOIS.

WIRE-TWISTER.

942,732.

Specification of Letters Patent.

Patented Dec. 7, 1909.

Application filed February 9, 1909. Serial No. 476,949.

To all whom it may concern:

Be it known that I, ISAAC N. MORFORD, a citizen of the United States, residing at Waynesville, in the county of Dewitt and State of Illinois, have invented a new and useful Wire-Twister, of which the following is a specification.

The invention relates to improvements in wire twisters.

10 The object of the present invention is to improve the construction of wire twisters, and to provide a simple, inexpensive and efficient tool, which will be light, strong and durable, and capable of enabling heavy
15 spring wire to be readily coiled or twisted for connecting tie wires with fence wires to secure the latter to the fence post and for applying stays to the fence wires and for various other purposes.

20 A further object of the invention is to provide a reversible tool of this character, adapted to be conveniently operated at either side of a fence post, and capable of enabling the fence wires to be placed under the de-
25 sired tension.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying
30 drawing, and pointed out in the claims here- to appended; it being understood that vari- ous changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to with-
35 out departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a perspec- tive view of a wire twister, constructed in accordance with this invention and shown in
40 position for twisting a wire tie at one side of a fence post. Fig. 2 is a perspective view of the wire twister detached. Fig. 3 is a longi- tudinal sectional view of a portion of the wire twister. Fig. 4 is an end elevation of
45 the same.

Like numerals of reference designate cor- responding parts in all the figures of the drawing.

50 The wire twister is especially adapted for twisting the terminals of a wire tie 1 around the fence wire 2 at opposite sides of a fence post 3 of concrete, or other plastic material. It is composed of a bar or member 4, hav- ing one end rounded to form a handle 5 and
55 having its other end 6 flattened and provided with spaced wire-receiving openings 7, lo-

cated at opposite sides of and slightly in advance of a stem 8 of a T-shaped wire-engaging member. The T-shaped wire-engag- ing member consists of the said stem 8 and
60 laterally extending arms 9, which are pro- vided at their lower edges with notches 10, arranged in alinement with the openings 7 and forming seats for receiving the terminal portion of the wire. The stem, which is in-
65 tegral with the bar or member, is set at an obtuse angle to the latter and is tapered out- wardly from the flat head or portion 6 to the laterally extending arms 9.

The device is especially advantageous for
70 operating on heavy number eight spring wire, and it is capable of enabling sufficient force to be readily exerted to twist the ter- minals of the wire tie around the fence wire 2, and to strain the latter to the desired ten-
75 sion. The wire to be twisted is passed through one of the openings 7 and is ex- tended outwardly or rearwardly beneath the over-hanging laterally projecting arm 9, and is engaged with the notch 10 thereof. The
80 flat end portion 6 is placed against the fence wire and the device is then rotated around the same, thereby coiling the tie wire 1. The terminal of the wire is arranged in the open-
85 ing 7 at the side of the tool adjacent to the fence post; and when the other end of the tie is twisted, the wire is placed in the other opening 7. The reversibility of the tool en- ables the wire to be more conveniently and
90 neatly twisted at both sides of the fence post.

The wire twister is adapted for apply- ing stays to the line wire of a fence and for splicing wires and analogous purposes; but
95 owing to the facility with which it may be operated in applying the tie wires to posts, it will enable concrete fence posts to be ad- vantageously employed in fence building and also the very heavy wires, which may be
100 securely held even to a wooden post by staples. In practice the concrete fence posts will be provided in their front faces with grooves to receive the line wires.

Having thus fully described my invention, what I claim as new and desire to secure by
105 Letters Patent, is:—

1. A reversible wire twister including a bar or lever provided at one end with a sub- stantially T-shaped wire-engaging member consisting of a stem and arms extending lat-
110 erally from the outer end of the stem, the said bar or lever being provided at opposite

sides of the inner end of the stem with wire-receiving openings.

2. A reversible wire twister including a bar or lever having a flat outer end and
5 provided with a substantially T-shaped wire-engaging member formed integral with the bar or lever and set at an obtuse angle to the same and consisting of an outwardly tapered stem and laterally extending arms provided at their inner edges with wire-receiving
10 notches, said bar or lever being also provided

at opposite sides of the stem and in advance of the same with wire-receiving openings located in substantial alinement with the notches.

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

ISAAC N. MORFORD.

Witnesses:

GLEN R. SAMPSON,
CHARLES HARTER.