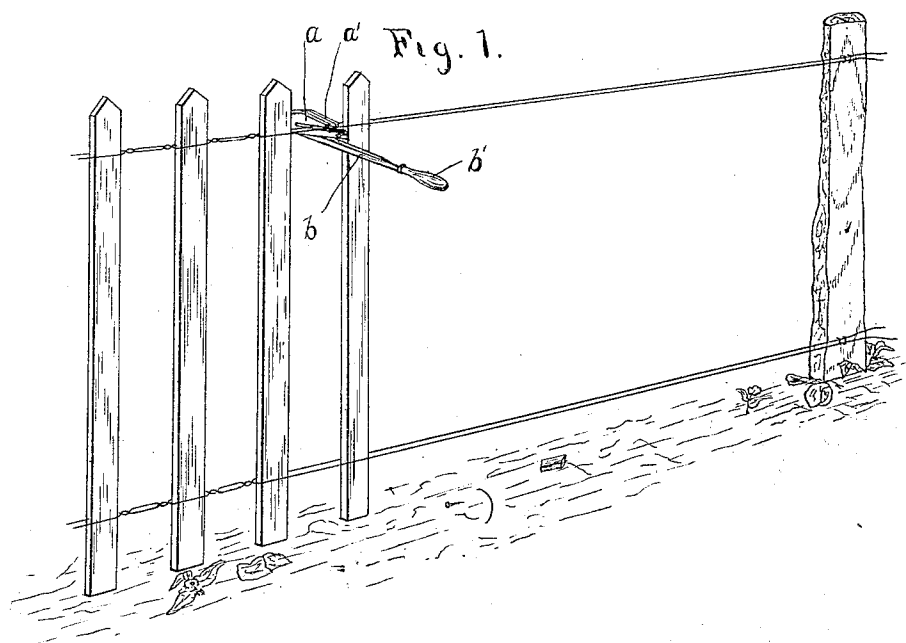
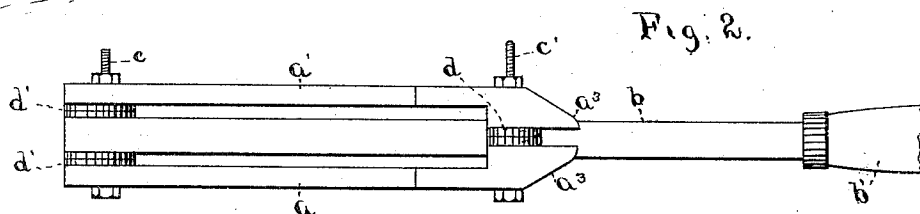
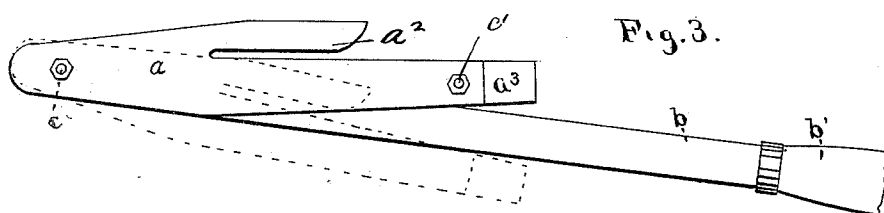


(No Model.)

E. M. BAKER.
FENCE TOOL.

No. 462,523.

Patented Nov. 3, 1891.



Witnesses.

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UNITED STATES PATENT OFFICE.

EDWIN M. BAKER, OF CRAYON, OHIO.

FENCE-TOOL.

SPECIFICATION forming part of Letters Patent No. 462,523, dated November 3, 1891.

Application filed July 3, 1891. Serial No. 398,347. (No model.)

To all whom it may concern:

Be it known that I, EDWIN M. BAKER, a citizen of the United States, residing at Crayon, in the county of Champaign and State of Ohio, have invented a certain new and useful Improvement in Fence-Machines, of which the following is a specification.

My invention relates to a device for twisting wires in building that class of fences formed of wire and pickets, the strands of wire being twisted between the respective pickets.

The object of my invention is to provide a device of simple construction, capable of easy and ready adjustment and operation, the parts being so constructed that the twisting-jaws may be adjusted with reference to each other to accommodate it to different fences, in which more or less space is used between the pickets forming the fence.

My invention consists in the various constructions and combinations of parts, herein-after described, and set forth in the claims.

In the accompanying drawings, which form a part of this specification, Figure 1 is a perspective view showing a portion of a fence and my device applied thereto as in operation. Fig. 2 is a plan or top view of the device. Fig. 3 is a side elevation of the same.

Like parts are indicated by similar letters of reference in the several views.

In forming my improved device I employ two side plates a and a' , each of which is constructed with a slotted jaw or opening a^2 . Between the respective side plates a and a' is pivoted an operating rod or lever b , provided at its outer extremity with a handle b' , the said rod or lever being pivoted by an adjustable bolt or rod c , which passes through the inner extremity of said rod and through the respective side plates at the ends thereof opposite to the opening in the respective jaws a^2 . The outer extremities of the respective side plates are preferably beveled or rounded, as shown at a^3 , and are connected together by an adjustable connection c' , which extends through the respective parts so as to clamp the same together, ordinary screw-threaded

bolts c and c' being used for this purpose at the two ends of the plates.

To provide for adjusting the width between the respective jaws a and a' I provide between the respective side plates at the ends a^3 a series of washers d , and between the respective side plates and the rod b at the opposite end similar washers d' .

In operation the pickets are inserted between the strands of wire which form the supports therefor, as indicated in Fig. 1. The respective wires on opposite sides of the picket are placed in the jaws a^2 of the respective side plates in the position indicated in Fig. 1. By drawing on the rod b the side plates a and a' are caused to turn until a half-revolution thereof is produced, thus twisting the two wires correspondingly. An opposite movement of the rod b at a slightly-different vertical angle causes the plates a' to revolve the balance of the revolution until the parts are reversed or in the position indicated in dotted lines in Fig. 3, thus producing a complete revolution of the twisting-jaws a^2 and twisting the strands of wire on opposite sides of said jaws and against the pickets.

By having the plates a and a' and the twisting-jaws therein formed independent of each other and adjustable with reference to each other, as described, the parts may be adjusted to correspond to any desired space between the pickets, so that the twisting of the strands shall occur in close proximity to the said pickets and thus bind said pickets securely, whether they be close together or widely separated, as desired.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a twisting device, as described, the side plates each having twisting-jaws, as described, a pivoted handle connected to one end of each of said plates, and means for connecting said plates adjustably together, so that the twisting-jaws may be more or less separated, substantially as described.

2. The combination, with the side plates

having the twisting-jaws, of a pivoted operating rod or lever arranged between said side plates at one end thereof, a screw-threaded connecting-bolt passing through said plates
5 and rod, intermediate washers between said rod and plates, said jaws being connected together at the opposite end by a screw-threaded bolt or rod through the respective plates, and

a series of interposed washers, substantially as specified.

In testimony whereof I have hereunto set my hand this 27th day of June, A. D. 1891.

EDWIN M. BAKER.

Witnesses:

S. J. BARGER,

PETER BAKER.