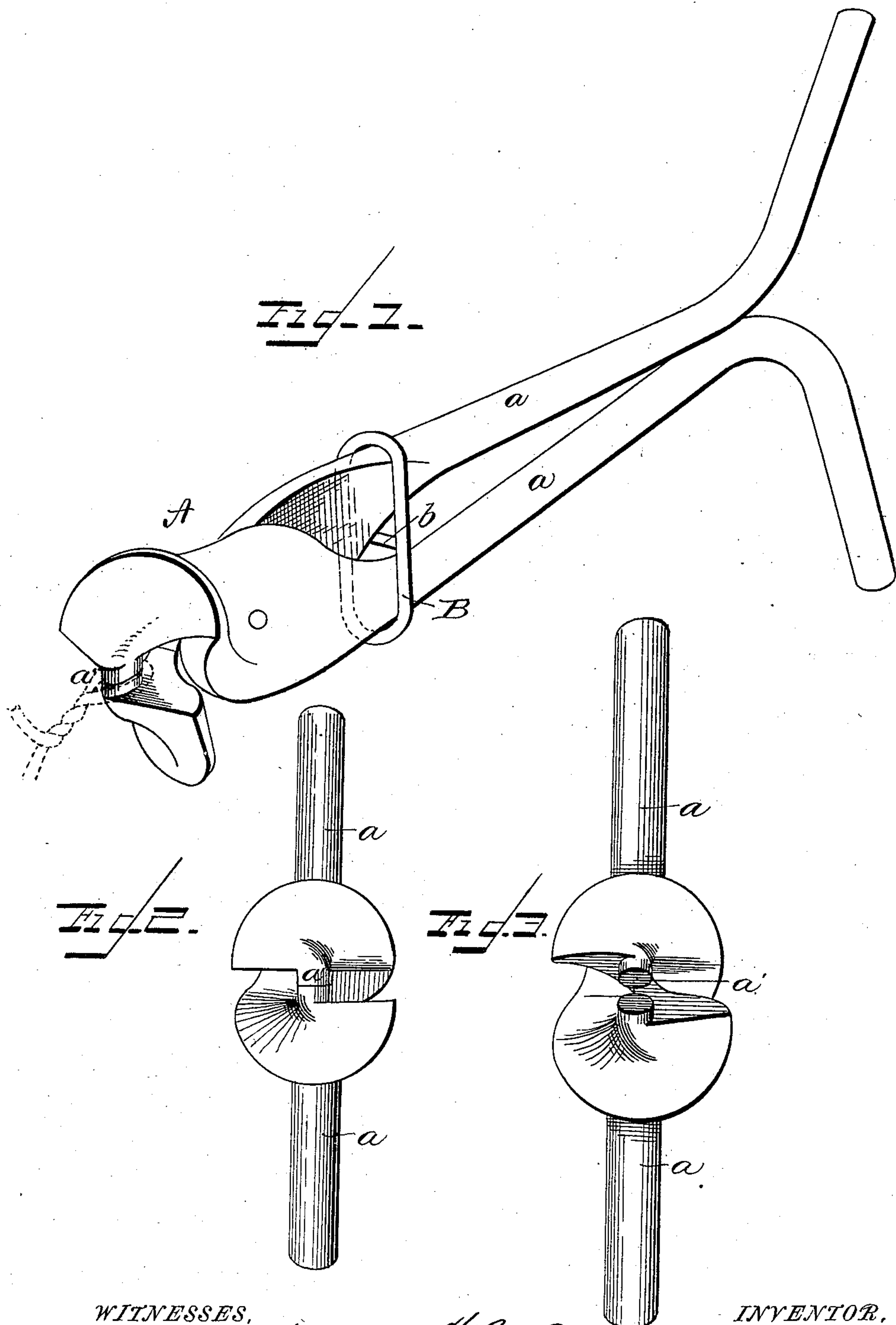


(No Model.)

H. W. CAMPBELL.
WIRE TIGHTENER.

No. 401,004.

Patented Apr. 9, 1889.



WITNESSES,
F. L. Ourand,
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UNITED STATES PATENT OFFICE.

HARDY W. CAMPBELL, OF RACINE, WISCONSIN.

WIRE-TIGHTENER.

SPECIFICATION forming part of Letters Patent No. 401,004, dated April 9, 1889.

Application filed October 10, 1888. Serial No. 287,728. (No model.)

To all whom it may concern:

Be it known that I, HARDY W. CAMPBELL, a citizen of the United States, residing at Racine, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Wire-Tighteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in a device for tightening wire fence when the wire becomes loosened or swags, owing to the posts shifting from their original position after the wire has been stretched and attached to the same; and the object of my improvements is to provide a device that is simple in construction and effectual in operation, inasmuch that the wire can be tightened readily and without any of the difficulty or annoyance that is so common to this undertaking when accomplished by means of the devices generally in use. I attain this object by means of a novelly-constructed device, which will be fully described in this specification and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device in operation. Fig. 2 is an end view of same when closed. Fig. 3 is a similar view when opened.

A designates the device, which is composed of two handles or shafts, *a a*, that are bent at the upper end. The shafts *a a* are flattened near the lower end and pivoted together, so as to operate like a pair of pinchers or tongs. The jaws themselves have the nibs *a' a'* to catch over the wire, and are flared, so that when closed they resemble an auger-bit.

B represents a ring, which is placed over the handles of the device and slipped down,

so as rigidly to secure the jaws of the twister after it is clamped over the wire. The ring B is constructed with a cross-bar, *b*, which prevents it from coming off the handles.

I attach special importance to the jaws of my device being shaped like an auger-bit, as this causes the wire to form a loop when twisted around the nibs *a'*. This feature overcomes all the difficulty heretofore existing in regard to the effectual operation of devices used for tightening and twisting wire. The jaws being thus shaped, the operator can close them over the wire easily and twist it as readily as one would operate an auger in boring until the wire is sufficiently tightened.

As it is apparent that my device is very practical and effectual in operation, it is useless to enlarge further upon its merits.

What I claim is—

1. The herein-described device for twisting or tightening wire, consisting of a pair of levers bent at their upper ends and having the auger-bit-shaped jaws, and a projection upon the inner edge of each of said jaws adapting them to receive and retain the wire, substantially as described and shown.

2. The herein-described device for twisting or tightening wire, consisting of a pair of levers bent at their upper ends and having the auger-bit-shaped jaws, and a projection upon the inner edge of each of said jaws adapting them to receive and retain the wire, in combination with the ring B, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HARDY W. CAMPBELL.

Witnesses:

JNO. W. KNIGHT,
ALBERT L. ANDERSON.