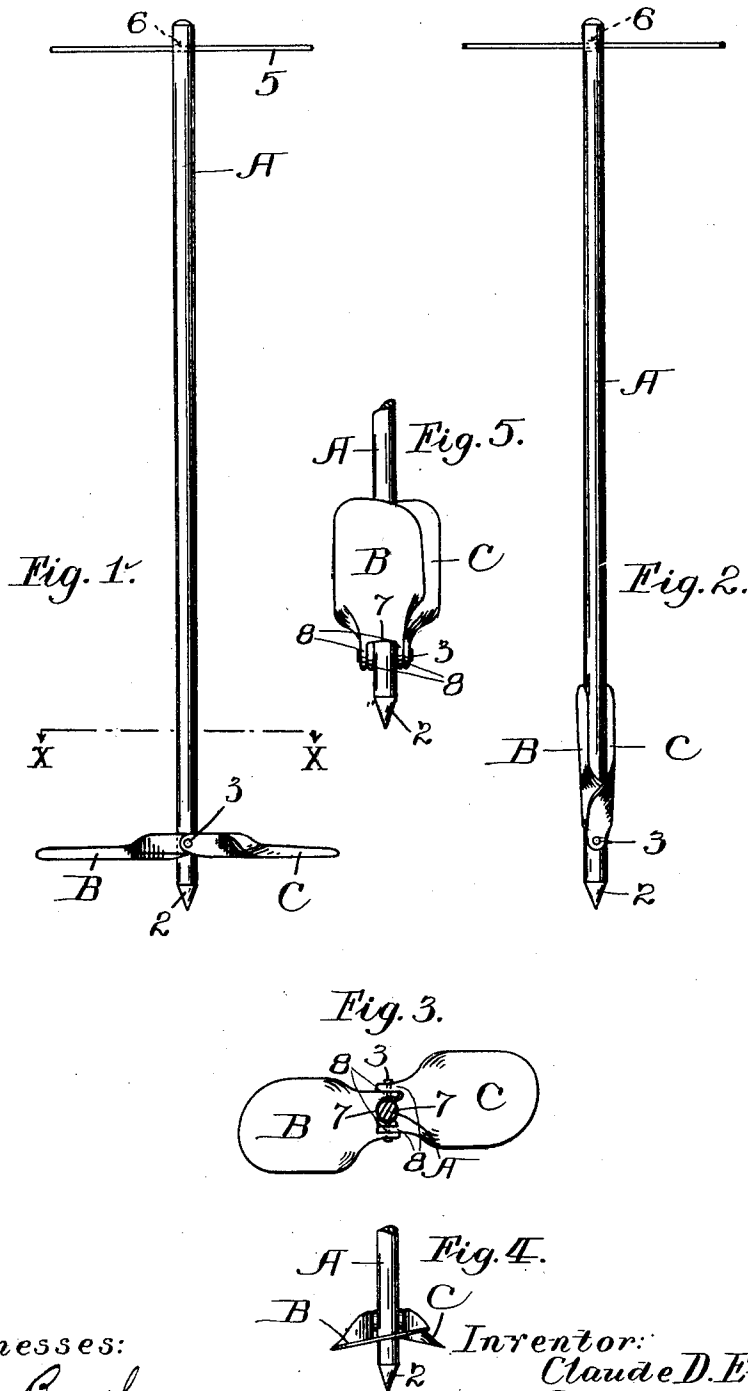


No. 829,578.

PATENTED AUG. 28, 1906.

C. D. ENOCHS.
ANCHOR FOR GUY WIRES.
APPLICATION FILED JULY 17, 1905.



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UNITED STATES PATENT OFFICE.

CLAUDE D. ENOCHS, OF LA CROSSE, WISCONSIN.

ANCHOR FOR GUY-WIRES.

No. 829,578.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed July 17, 1905. Serial No. 270,020.

To all whom it may concern:

Be it known that I, CLAUDE D. ENOCHS, a citizen of the United States, residing at La Crosse, in the county of La Crosse and State of Wisconsin, have invented a new and useful Anchor for Guy-Wires, of which the following is a specification.

My invention relates to an improved anchor for guy-wires, and has for its object simplicity of construction together with the saving of time and labor in applying it to use.

A further object is a guy-wire anchor that forms a strong support for holding telegraph, telephone, fence, and other kinds of posts against lateral and longitudinal strains and which is adapted to be set in the ground by a minimum amount of labor and expense and without digging or loosening the earth.

To these ends my invention comprises in a general way a shaft having blades upon its lower end which assume a position in the path of least resistance when the anchor is driven into the ground and thereafter are spread to engage a maximum amount of earth by means of a twisting movement. By driving the anchor into undisturbed ground, as compared with placing it in a hole and tamping earth around it, I am enabled to produce a stronger anchor having greater endurance with less expense and labor in setting it.

In the accompanying drawings, forming part of this specification, Figure 1 is a side view of my invention, showing the blades extended. Fig. 2 is another side view showing the blades folded upon the shaft. Fig. 3 is a section of Fig. 1, taken on the line X X. Fig. 4 is a detail side view of the lower end of the anchor looking at the end of one of the blades, and Fig. 5 is another detail view looking at one side of the blades when folded upon the shaft.

In the drawings let A represent the shaft, which is preferably pointed at 2 upon its lower end, so that it can be easily driven into undisturbed ground. This shaft forms an axis about which it can be easily turned by means of the transverse handle 5, passing loosely through the opening 6 in the upper end thereof. Near the pointed end of the shaft is carried a pair of opposed screw-blades B and C, each of which is provided with a double support 8. The arms of each support are arranged diametrically opposite each other on said shaft. A pivot 3 passes loosely through said shaft and all of the arms

of the supports and is upset on its ends. The blades have projecting portions (shown clearly in Fig. 5) when they are folded and are pitched, causing them to unfold from the shaft and to assume a position about ninety degrees thereto, as shown in Fig. 1, when the anchor is turned two or three times about its own axis in the ground. When fully spread, as shown in Fig. 1, the blades are prevented from swinging down by means of their stop-shoulders 7, which impinge against the shaft. The parts of this device may be made of metal or any other suitable material.

In use the shaft is driven into the ground to the desired depth and turned two or three times about its own axis until the blades are fully spread. The guy-wire or cord is then attached to the upper end after the handle is removed. To withdraw the anchor from the ground, it is turned in the reverse direction and then pulled out.

It is obvious that the details of construction and shapes of the parts may be modified and changed or that additions may be made to my invention without departing from the principles which I have applied, and I do not wish to confine myself to the exact construction described.

Having described my invention, what I claim as new, and desire to protect by Letters Patent, is—

1. A guy-wire anchor, comprising a rotatable shaft to be driven into the ground, means for turning said shaft about its own axis, and a screw-blade on said shaft adapted to assume a position in the path of minimum resistance when entering the ground and to be spread by the rotation of said shaft and the resistance of the earth.

2. A guy-wire anchor, comprising a rotatable shaft to be driven into the ground, opposed anchor-blades pivoted to the portion of said shaft entering the ground and pitched to spread when the shaft is turned, and means for turning said shaft.

3. A guy-wire anchor, comprising a rotatable shaft, to be driven into the ground, pointed on its lower end and having means for attaching a guy-wire to, and turning said shaft on, its opposite end and screw-blades, each provided with a double pivoted support on said shaft and adapted to spread when turned in one direction and to fold upon said shaft when reversed by the resistance of the earth.

4. A guy-wire anchor, comprising a rotata-

ble shaft, to be driven into the ground, provided with an opening on its outer end to attach a guy-wire or receive a lever for turning it and screw-blades pivoted by double
5 supports arranged diametrically opposite each other on said shaft, said blades adapted to be spread by the rotation of said shaft and the resistance of the earth.

5. A guy-wire anchor, comprising a rotatable
10 shaft to be driven into the ground and a screw-blade provided with a double support, the arms of which are diametrically opposite each other on said shaft, and pitched to unfold by the resistance of the earth when the
15 shaft is turned in one direction and to recede upon said shaft when reversed and having a stop-shoulder for limiting its unfolding movement.

6. A guy-wire anchor, comprising a sub-

stantially round, rotatable shaft to be inserted in the ground and screw-blades pivoted to, and adapted to be turned by, said shaft to unfold when the shaft is turned in one direction and to recede upon said shaft
20 when reversed by means of the resistance of the earth upon the opposite sides of said
25 blades, said blades being provided with stops which limit their unfolding movement and each blade having a double support, the arms of which are diametrically opposite
30 each other on said shaft.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CLAUDE D. ENOCHS.

Witnesses:

M. H. MULLALLY,
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