

T. J. SMITH & A. C. YOUNKIN.

Fence.

No. 235,709.

Patented Dec. 21, 1880.

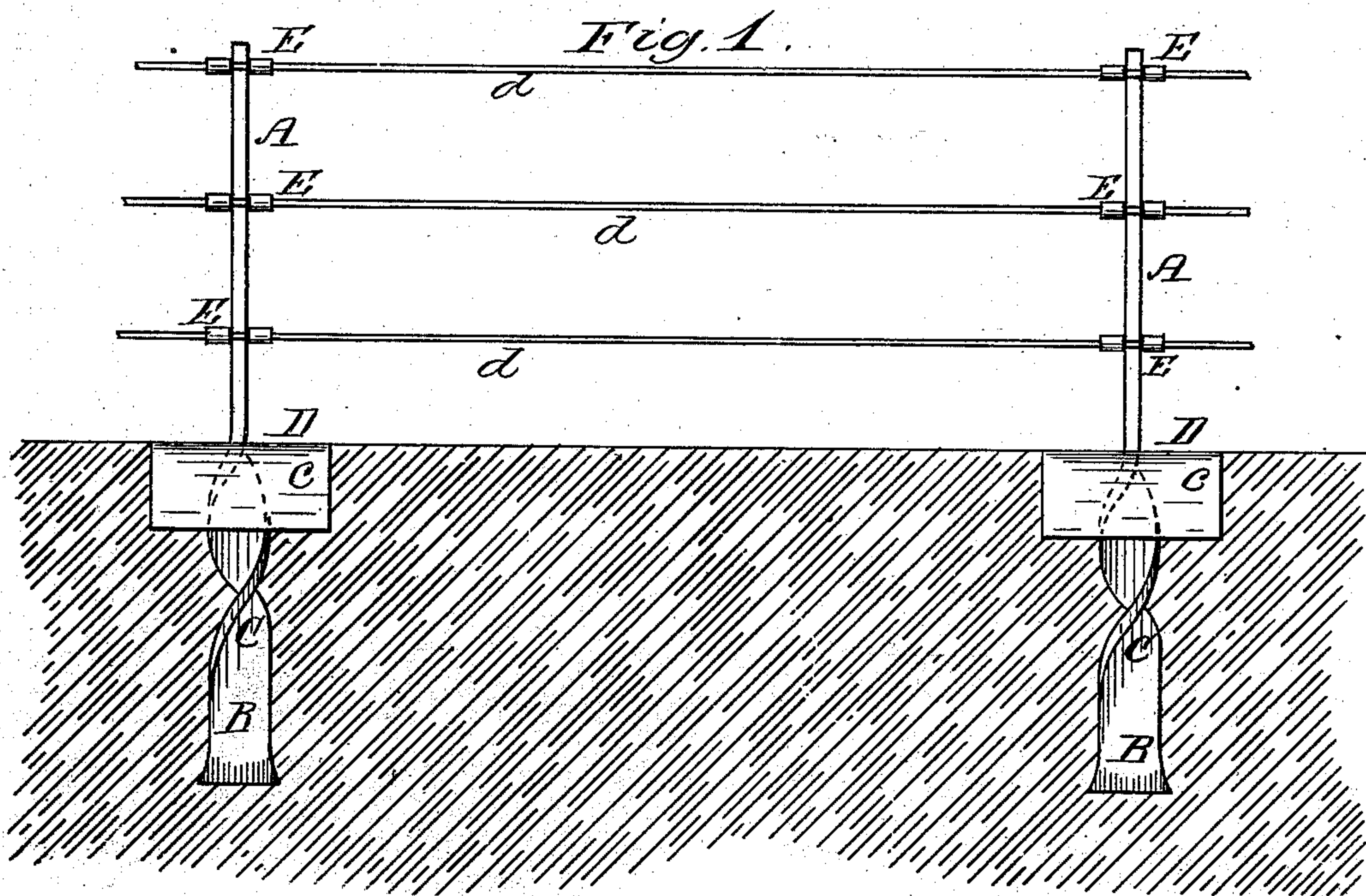


Fig. 2.

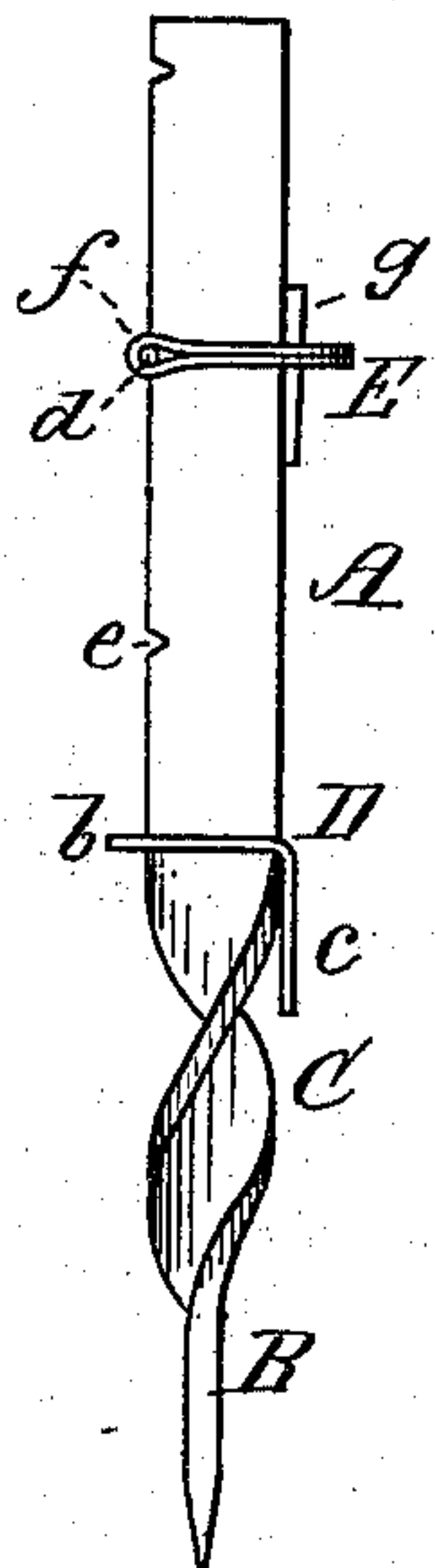


Fig. 4.

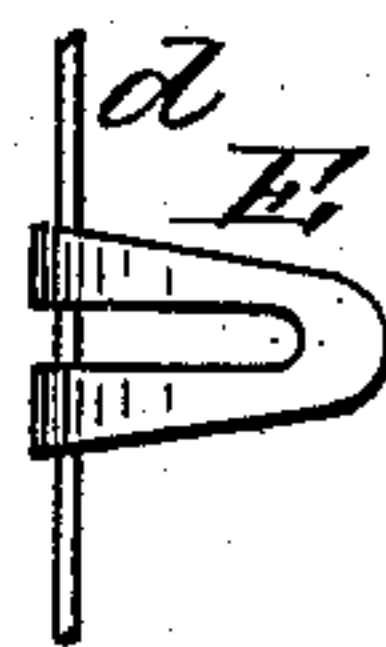
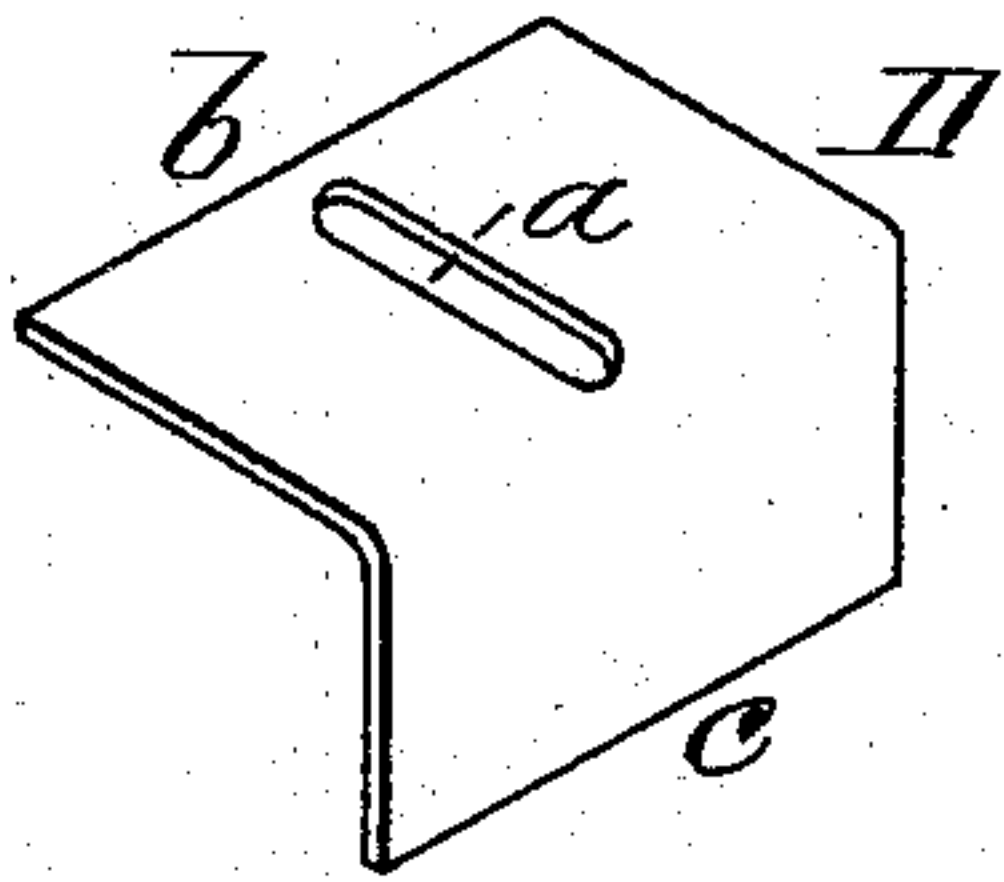


Fig. 3.



Witnesses

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TRUE J. SMITH AND ALEXANDER C. YOUNKIN, OF TOPEKA, KANSAS.

FENCE.

SPECIFICATION forming part of Letters Patent No. 235,709, dated December 21, 1880.

Application filed December 15, 1879.

To all whom it may concern:

Be it known that we, TRUE J. SMITH and ALEXANDER C. YOUNKIN, of Topeka, in the county of Shawnee and State of Kansas, have
5 invented a new and valuable Improvement in Fences; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings,
10 making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of our invention, showing the posts in position
15 in the ground with the fence-wires connected to said posts. Fig. 2 is a detail view of one of the posts; Fig. 3, a perspective view of the anchor, and Fig. 4 a detail view of the clip for securing the fence-wires to the posts.

20 Our invention relates to improvements in fences; and it consists in certain improvements in their construction, as hereinafter more fully set forth, and pointed out in the claim.

25 In the accompanying drawings, A represents the upper portion of a fence-post, preferably of wrought-iron, the lower end thereof having a chisel-edge, B, twisted so as to be at
30 right angles to the edge of that portion A above the ground. Between the chisel-edge and said upper portion, A, is a spiral twist, C, imparted to it while the metal is in a heated state. As it is essential that the flat portion of the post should stand at right angles to
35 the fence-wires, the lower or chisel end of the post running lengthwise of the wires forms a strong and substantial bearing for the post, the twist holding it firmly in the ground, which would not be the case did the spiral
40 twist terminate in a point.

The anchor, as represented at D, is provided with an elongated slot, *a*, in the horizontal portion *b*, through which the upper portion of the post passes. The anchor D is bent to form
45 a vertical plate, *c*, which is at right angles to the horizontal portion or plate *b*, the vertical

plate *c* entering the ground until the plate *b* comes level with the surface thereof, and afterward yoked to the post in any suitable manner.

The fence-wires *d* may be of any suitable number, and provided with barbs or not, as found desirable. The edge of the post A is formed with notches *e*, into which are seated the wires *d*, each wire passing through eyes in
55 a clip, E, of U shape, so as to pass over the end of the post and slide down, so as to bring the eyes *f* of the clip on line with its respective notch *e* on the edge of the post. In making the clips, however, it is desirable to form
60 a sheet-metal plate of the desired size and shape, with an elongated opening, and afterward doubling the two halves upon each other to form the eye, the clip being secured in place by a suitable wedge or key, *g*.

When it is desired to set one or more of the posts, it is accomplished by applying a suitable wrench to the portion A, and at the same time driving from the top, thereby causing it to enter the ground vertically and in a partially rotary direction, or, in other words, it penetrates the ground in a manner similar to a wood-screw or ground-auger.

Having now fully described our invention, what we claim as new, and desire to secure by
75 Letters Patent, is—

The clips E, formed from a flat plate of metal having an elongated slot, and doubled over upon itself end to end to form eyes *f*, and adapted to slide over the post vertically, and
80 the wedges *g*, for clamping the clips and wires to the post, in combination with the fence-post A, having recesses *e*, and the wires *d*, as described.

In testimony that we claim the above we
85 have hereunto subscribed our names in the presence of two witnesses.

TRUE J. SMITH.

ALEXANDER C. YOUNKIN.

Witnesses:

S. L. KNIGHT,

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