

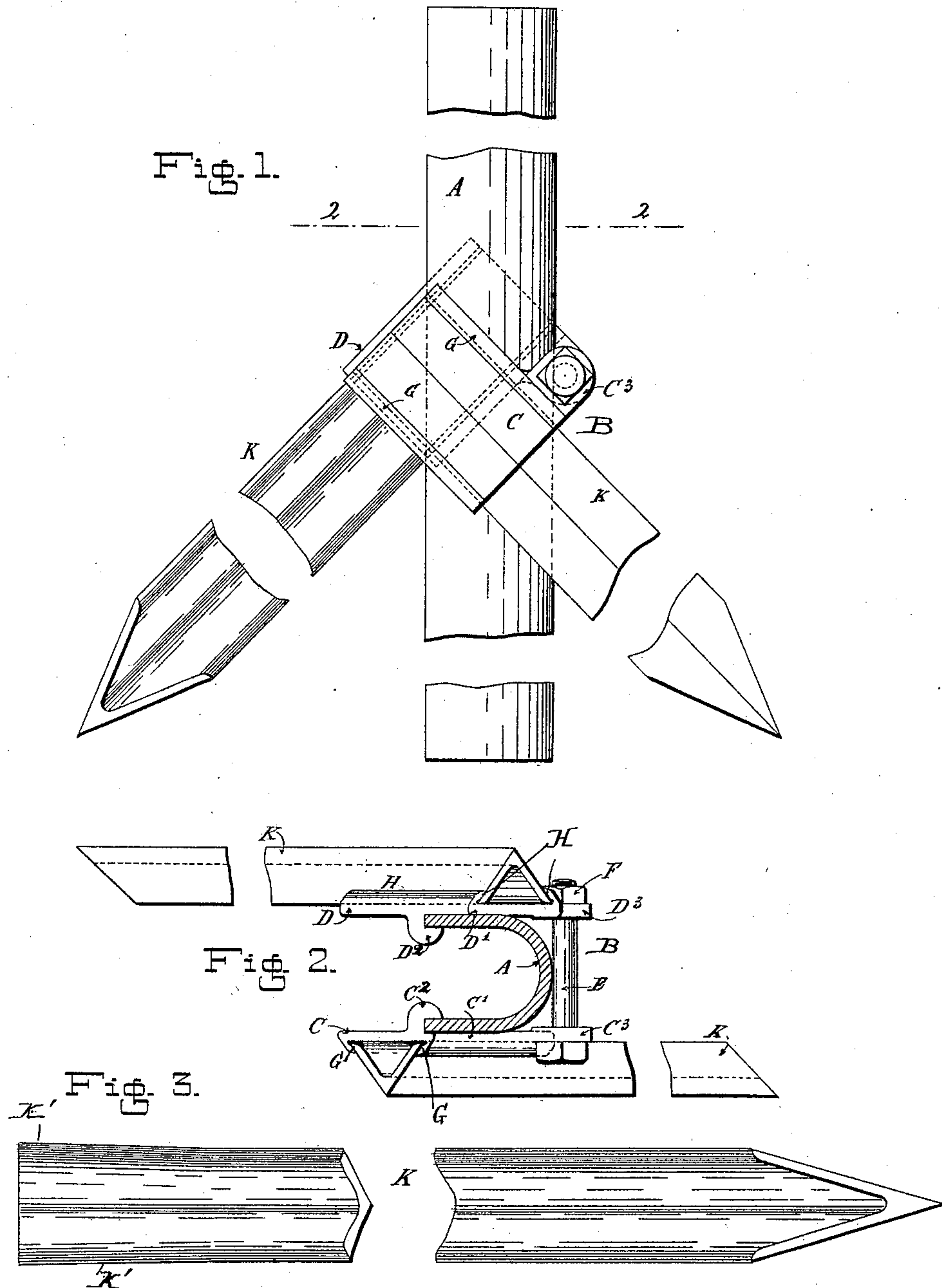
No. 616,038.

Patented Dec. 13, 1898.

H. G. THOMSON.
ANCHOR FOR FENCE POSTS

(Application filed Apr. 29, 1898.)

(No Model.)



WITNESSES:

Geo. Le Guern

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HERBERT G. THOMSON, OF NEW YORK, N. Y.

ANCHOR FOR FENCE-POSTS.

SPECIFICATION forming part of Letters Patent No. 616,038, dated December 13, 1898.

Application filed April 29, 1898. Serial No. 679,193. (No model.)

To all whom it may concern:

Be it known that I, HERBERT G. THOMSON, a citizen of the United States, residing in the city, county, and State of New York, have
5 invented a new and useful Improvement in Anchors for Fence-Posts; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to anchors for fence
10 and other posts of the class exemplified in United States Letters Patent No. 589,763, issued to me September 7, 1897, in which the post driven into the ground is provided with a fixed collar or base at or near the surface
15 of the ground, through which base stakes are driven at an inclination to the post into the ground and are fixed on the base, so as to hold the post rigidly erect.

My invention has among its objects to im-
20 prove the post in its combination with the base and stakes, to simplify and strengthen the base in its relation to the post and stakes, and also to improve the stakes in their combination with the base and post.

25 In order that my invention, by which I attain these and other ends, may be clearly understood, I shall first describe in detail the mode in which I carry my invention into practice and then point out its various features in
30 the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which like parts are designated by the same letters in all the figures.

35 Figure 1 represents in side elevation an anchored fence-post embodying my invention. Fig. 2 is a sectional plan view of the same. Fig. 3 is a detail view of one of the stakes before it is driven through the base into the
40 ground.

To gain the greatest amount of strength and rigidity from the post A when driven into the ground with the least weight and expense of material, I make the post of iron of a deep
45 U-shaped horizontal cross-section and drive it into the ground so that the straight sides of the U lie across the direction of the fence, and thus especially stiffen the post in the direction of the greatest constant strain, while
50 the round bottom of the U stiffens the post

laterally and prevents it from shifting in the direction of its sides.

To the post A, at the desired distance from its lower end, so that it will be at or near the surface of the ground when the post A is
55 driven therein, I fix the post socket or base B, which for greater strength, simplicity, and convenience I form of two rectangular parts C D, having flat inner faces C' D' to lie against the opposite flat sides of the U-section post
60 A, and grooved rails C² D², running diagonally across said inner faces to receive, overhang, and securely grip the opposite vertical edges of the U-section post A. On the corners of the parts C D, opposite said grooved
65 rails C² D², are formed eye-lugs C³ D³, through both of which is passed a headed screw-bolt E, and on the end of said bolt is screwed a nut F, so as to tightly draw the parts C D to-
70 gether, and thus rigidly secure the base constituted thereby upon the post at the proper height thereon.

On the outside of the base parts C D are formed, preferably at right angles to each other and at an angle of forty-five degrees
75 each to the post, stake-guides formed of parallel rails G and H, respectively, the rails on each side converging toward each other laterally at an angle of about forty-five degrees to the outside of the respective base part.
80 Through these inclined stake-guides are driven into the ground on opposite sides of the post and in planes parallel to the flat sides of the U-section post stakes K, which I make of right-angle iron, the edges of which
85 fit and slide in the corresponding inclined guide-rails G and H and the V-shaped channels of which thus face each other. To fix the stakes K to the base when driven down between the guide-rails G H, I previously
90 warp or bend slightly out of their proper planes the flanges of the angle-iron stakes at the heads K' thereof, so that when said bent portions are driven down between the guide-
95 rails G and H they will become firmly wedged therein, and thus securely retained in position. By this novel arrangement of the angle-iron stakes K with respect to the post A the post is rigidly anchored against move-
100 ment or play in any direction, as the angle-

iron stakes embrace the earth between their flanges and offer a flat surface against stress in every conceivable direction.

I claim as my invention—

- 5 1. The combination, with a post-anchor base, formed with downwardly-diverging stake-guides, of a post fixed to said base, and of a deep U shape in horizontal section.
- 10 2. The combination, with a post of U shape in horizontal section, of an anchor-base formed of two parts, having downwardly-diverging stake guides or rails to hold the vertical edges of the post, and a bolt to bind the base parts together upon the post.
- 15 3. The combination, with a post-anchor base, having downwardly-diverging stake-guides on opposite sides, formed of rails converging outwardly toward each other, of ground-stakes of angle-iron driven down be-
20 tween said inclined rails with their channels facing inward.
4. The combination, with a post-anchor base, having downwardly-diverging stake-

guides, of ground-stakes of angle-iron driven through said stake-guides and having the 25 flanges at their upper ends warped, and thereby wedged in said stake-guides.

5. A ground-stake for a post-anchor of the kind described formed of angle-iron whose flanges at the head are warped out of their 30 natural planes for the purpose specified.

6. The combination, with a post of U shape in horizontal section, an anchor-base fixed to said post, and having downwardly-diverging stake-guides on opposite sides, and ground- 35 stakes of angle-iron driven divergingly through said stake-guides in planes parallel to the flat sides of the U-section post, with their channels facing inward.

In testimony whereof I have hereunto set 40 my hand this 2d day of March, 1898.

HERBERT G. THOMSON.

In presence of—

CLARENCE L. BURGER,
DE WITT C. REED.