P. J. HINDMARSH.

FENCE POST.

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1,140,156.

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Fig. 1.

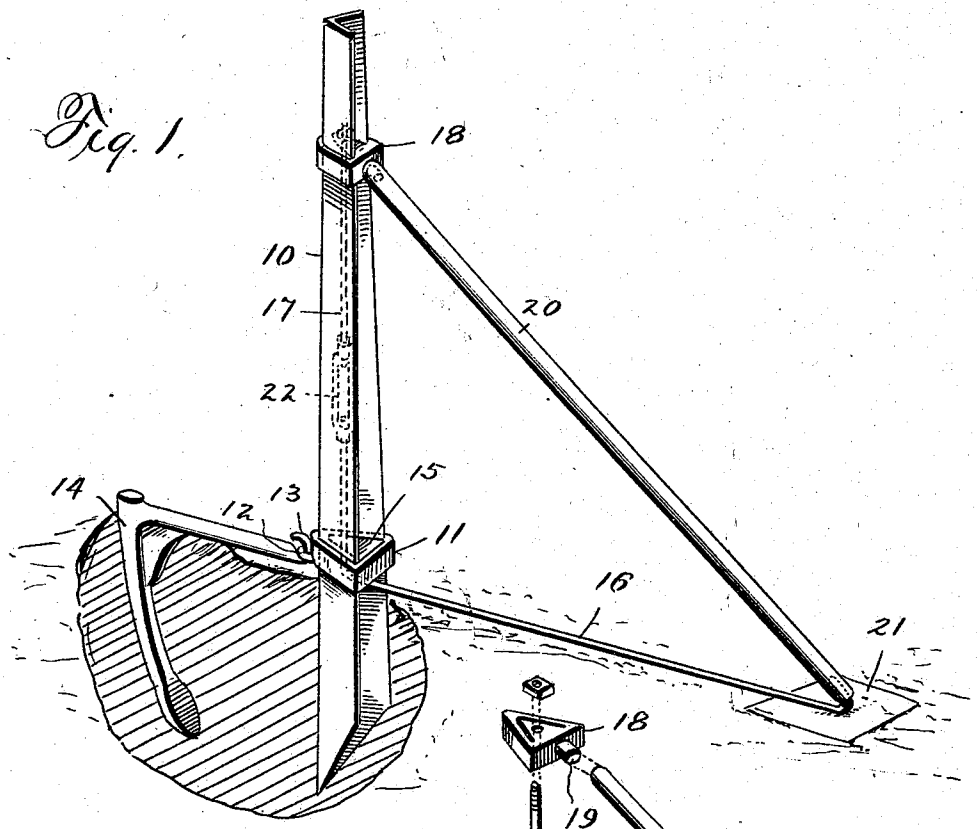
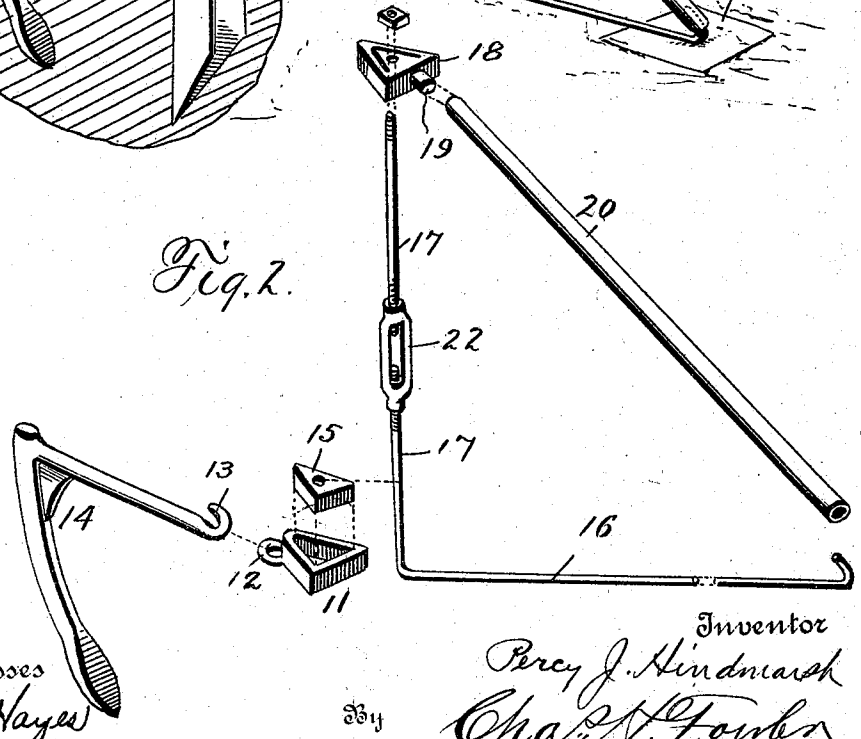


Fig. 2.



Witnesses

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FENCE-POST.

1,140,156. Specification of Letters Patent. Patented May 18, 1915.

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To all whom it may concern:

Be it known that I, PERCY J. HINDMARSH, a citizen of the United States, residing at Lincoln, in the county of Lancaster and State of Nebraska, have invented certain new and useful Improvements in Fence-Posts, and do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

My invention relates to means for anchoring and bracing fence posts and more particularly to metal fence posts, and the object of my invention is to provide anchoring and bracing means, which, while of simple construction will have a maximum of efficiency.

In the accompanying drawings—Figure 1 is a perspective view of a fence post anchored and braced in accordance with my invention; and Fig. 2 is a similar view of the parts shown separated from the post.

The post 10, which I show in the drawings to illustrate an embodiment of my invention, is of a well known construction, it being of sheet metal bent into a V-shape in cross section with its lower end pointed so that it may readily penetrate the earth. Fitting over the post at the ground level is a collar 11 of triangular shape, preferably made of cast iron, which at the apex or corner of the post has an eye 12 for engagement by a hook 13 on an anchor 14 which consists of a straight horizontally extending arm and a downwardly and inwardly inclined arm, which, at its free end is sharpened so that it may readily be driven into the earth. Preferably said downwardly and inwardly inclined arm is curved on an arc concentric with the pivotal connection between the anchor and the collar 11 so that said arm on being driven into the earth describes the arc of a circle. It will be observed by reason of the downwardly and inwardly inclination of said arm it is in a position to oppose or resist upward tendency of the post which experience has shown exists and which is a principal source of trouble with steel posts. The anchor, of course, also resists tendency of the post to move laterally or sidewise. By reason of its curved form the earth penetrating arm of the anchor is driven easily into the ground.

Within the post and in the plane of the collar 11 I place a triangular filling block or key 15 which supports the walls of the post against crushing or collapsing under the strain of the anchor and I use such filling block in part for the application of the post brace on the side opposite the anchor and opposite the side where the fence wires are attached. Said post brace is triangular in form, comprising an L-shaped rod that corresponds with the base and altitude of a triangle and a straight rod or bar that corresponds with the hypotenuse of a triangle. The L-shape rod comprises a horizontal member 16 and a vertical member 17 which passes through a hole in the filling block and at its upper end through a hole in a triangular block 18, also preferably in the form of a casting which is slotted so that it slips down over the post and which at the inner side of the post has a stud or boss 19 upon which fits the upper end of the downwardly and outwardly inclined member 20 of the brace whose lower end engages the outer end of the horizontal rod member 16. Preferably the member 20 is a piece of pipe, or tubular, so that it thereby conveniently engages such lug or boss at one end and at the other end receives the hook form end of the horizontal rod member 16 and where the two are thus connected together they preferably rest upon a piece of rock or stone 21. The end of the rod 16 above the block 18 is threaded and has a nut and between said block and the lower filling block is a turn buckle 22. It will be seen that by tightening the turn buckle the two blocks will be drawn toward each other.

As will be evident the post is first driven into the ground, then the collar 11 is slipped down over the post to the ground and the filling block, or key 15 is placed therein and then the anchor is hooked into the collar eye 12 and the curved member or fluke thereof is driven into the ground. Of course, before the collar 11 is placed over the post the L-shape member of the brace is put into position.

Having thus described my invention what I claim is—

1. As an improvement in posts, the combination of a post, an anchor comprising a horizontal ground-engaging arm and a downwardly and inwardly extending fluke-forming arm, a collar on the post to which the anchor is connected, the post being of

sheet metal and V-shaped in cross section, a filling block within the post and in the plane of the collar and a brace having a horizontal member that has a post bearing at one end substantially at the ground level, and an inclined member having its lower end engaging the outer end of the horizontal member and its upper end supporting the post.

2. As an improvement in posts, the combination of a post of sheet metal and V-shaped in cross section, and a brace comprising an L-shaped rod, one member of which extends horizontally from the post and the other vertically within the channel thereof, blocks within the post channel through which said vertical member passes, and a downwardly and outwardly inclined bar that is connected with the ends of the vertical and horizontal members of said rod, said vertical member having a turn-buckle for varying the length thereof.

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

PERCY J. HINDMARSH.

Witnesses:
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