

No. 859,603.

PATENTED JULY 9, 1907.

J. W. HAGANS.

FENCE POST.

APPLICATION FILED DEC. 22, 1906.

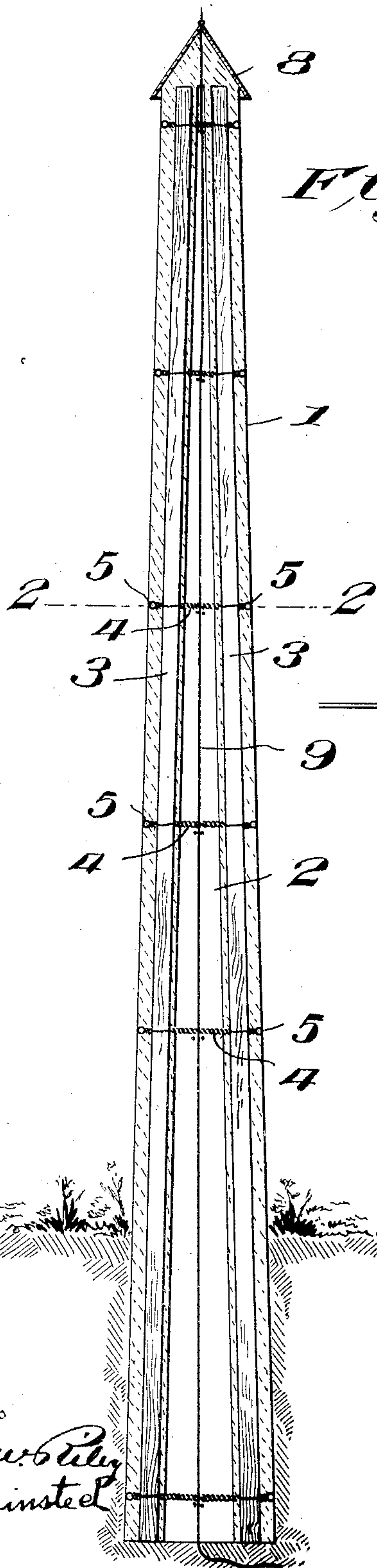


Fig. 1.

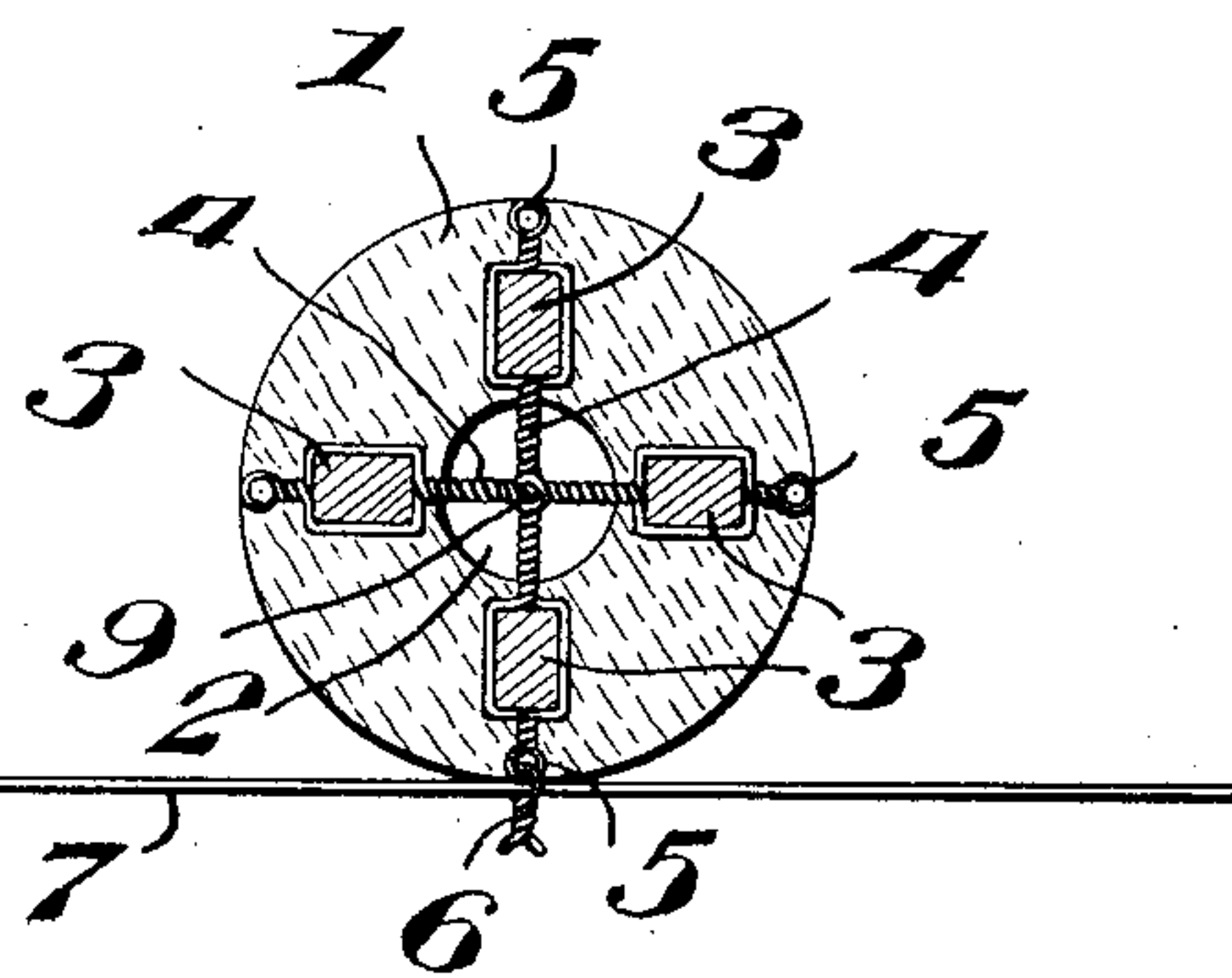


Fig. 2.

Witnesses

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JOHN WESLEY HAGANS, OF BARNUM, IOWA.

FENCE-POST.

No. 859,603.

Specification of Letters Patent.

Patented July 9, 1907.

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To all whom it may concern:

Be it known that I, JOHN WESLEY HAGANS, a citizen of the United States, residing at Barnum, in the county of Webster and State of Iowa, have invented
5 certain new and useful Improvements in Fence-Posts; 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.

10 My invention relates to new and useful improvements in fence posts and more particularly to that class adapted to be constructed of cement or other plastic material and my object is to provide a post of this class which is reinforced throughout its length by a plural-
15 ity of strips of wood, or other material, which are entirely embedded within the post.

A further object is to provide truss stays for the strips having means at their outer ends to receive wire securing devices.

20 Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is a central vertical
25 sectional view through the post, and Fig. 2 is a transverse sectional view on an enlarged scale as seen from line 2—2 Fig. 1.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout
30 the several views, 1 indicates the post proper which is preferably formed of cement or like plastic material and is provided throughout its length with a central cavity 2.

Embedded within the wall of the post 1 and extend-
35 ing substantially the entire length thereof are a plurality of bars 3 of wood or like material, said bars being connected together by means of a plurality of truss stays 4 said stays being formed by looping wires around the bars and twisting that portion of the wires
40 between the bars together.

The stays are preferably grouped in pairs and cross each other one stay of each group connecting one set of the bars, while the other stay extends at right angles to the first stay and connects the other set of bars.

45 The portions of the stays extending beyond the bars are likewise twisted together and formed into eyes 5 said eyes being at the outer surface of the post so that by removing a very small portion of the material forming the post, the eyes may be used for receiving
50 tie-wires 6 and by disposing the fence wires 7 between the ends of the tie-wires and then twisting said ends together the fence wires are securely held in place upon the post and by properly placing the stays throughout the length of the post the fence wires may

be properly spaced apart. The extreme upper end of
55 the post 1 is preferably conical and provided with a cap 8 so that the water will be prevented from entering the cavity in the post.

It has been found that during a storm, that stock will naturally travel away from the storm until stopped
60 by the fence and during thunder storms the stock are frequently killed by the lightning striking the fence or the post and in order to prevent the lightning from traveling in the strands of wire I dispose a ground wire 9 centrally through the cavity 2 and extend one
65 end above the cap while the opposite end is embedded within the earth and in order to make a connection between the fence wires and the ground wire said ground wire is disposed between the strands of the
70 truss-stays so that when the stays are twisted together the ground wire will be firmly held at the center of the cavity and the truss-stays will conduct the electric current from the line wires to the ground wires and thence into the earth.

In constructing a post of this class the bars 3 are first
75 placed in position and the truss-stays secured thereto and at proper points throughout the length of the bars to space the fence wires as desired and by referring more particularly to Fig. 1 of the drawings it will be seen that the bars converge toward their upper ends
80 so that the post, when completed will be tapered from bottom to top. Before the truss stays are twisted together on the bars the ground wire 9 is directed between the strands of the stays so that when the stays are twisted together the ground wire will be securely
85 held in position. After the bars are thus secured together they are placed within a suitable mold (not shown) and the plastic material poured into the mold and around the bars so that said bars will be entirely surrounded by the plastic material.
90

It will now be seen that I have provided a very cheap and economical post and that the same will be braced and strengthened throughout its length by providing the bars 3 and the truss stays 4 and it will further be seen that by providing the outer ends
95 of the truss stays with eyes and directing said eyes to the outer surface of the post that a cheap and convenient means for securing the fence wires to the posts is provided. It will further be seen that by securing the wires to the posts by means of the tie wires that a
100 passage into the inclosure may be quickly made by untwisting the tie wires and depressing the fence wires thus loosened.

What I claim is:—

1. A post of the class described comprising a post of
105 plastic material having a longitudinal cavity therein, a plurality of bars embedded in said post and stays surrounding said bars and intersecting said cavity said stays

being grouped in pairs and at right angles to each other and means at the outer ends of said stays to receive tie wires.

5 2. The herein described post comprising a plurality of bars, stay wires disposing said bars in pairs, a wire extending longitudinally between said bars and engaged by said stays, plastic material surrounding said stays and forming the post said plastic material having a central cavity throughout its length, eyes at the outer ends of

said stays and intersecting the periphery of the plastic 10 material and means disposed through said eyes to secure fence wires to the post.

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

JOHN WESLEY HAGANS.

Witnesses:

J. T. WILLIAMS,

P. T. BURKE.