

No. 762,348.

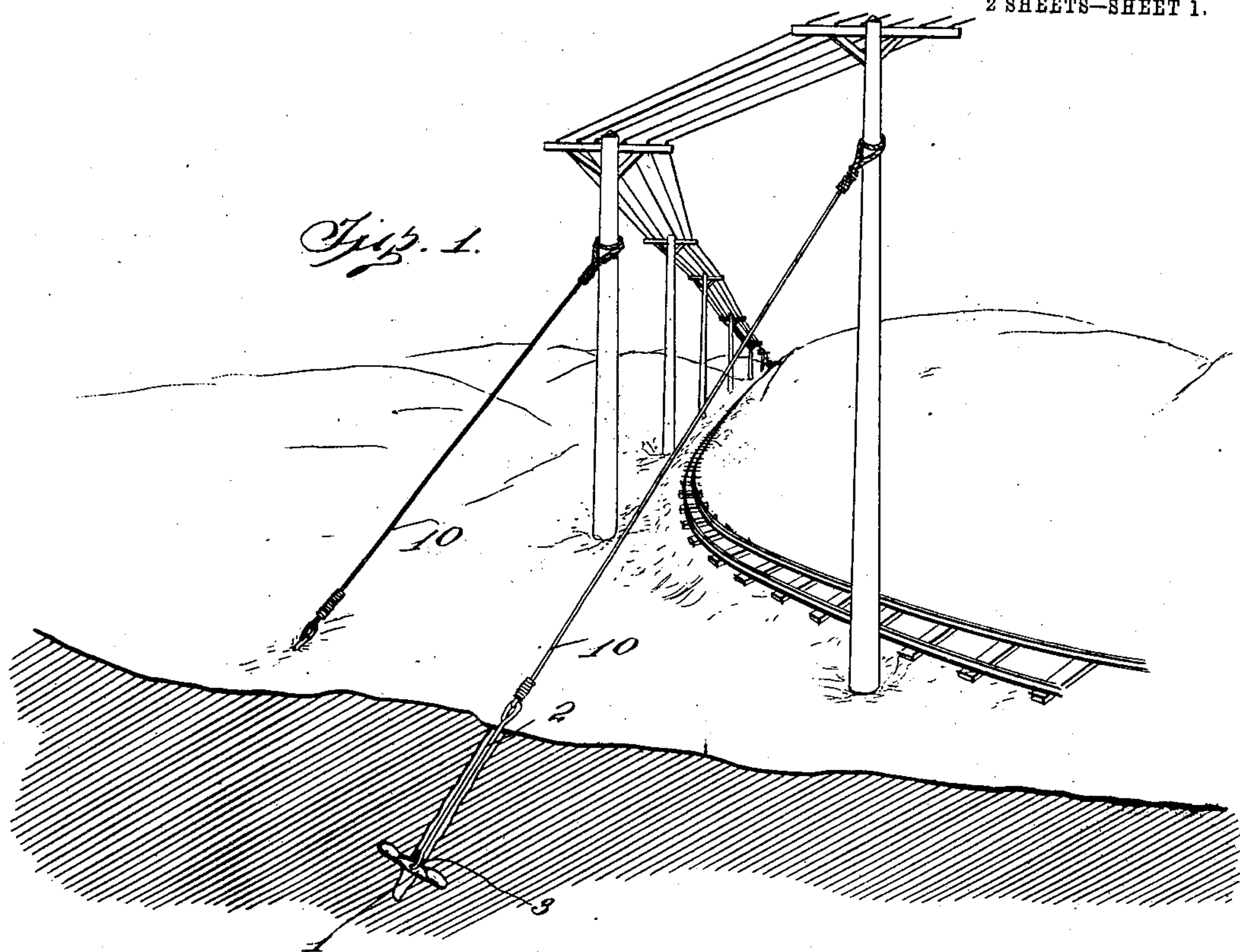
PATENTED JUNE 14, 1904.

R. H. POLK.  
GUY ANCHOR.

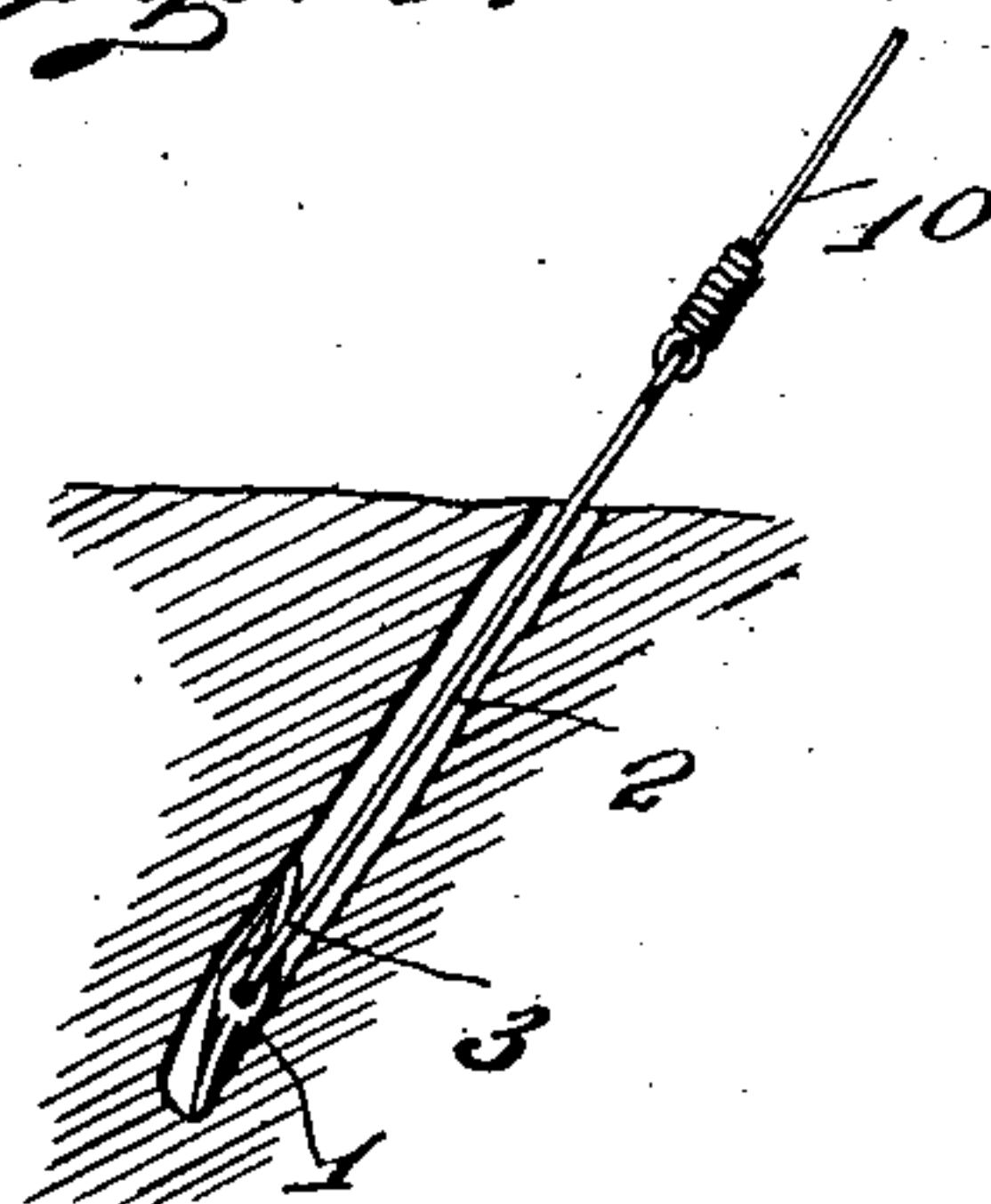
APPLICATION FILED MAY 16, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



*Fig. 5.*



Inventor

Witnesses

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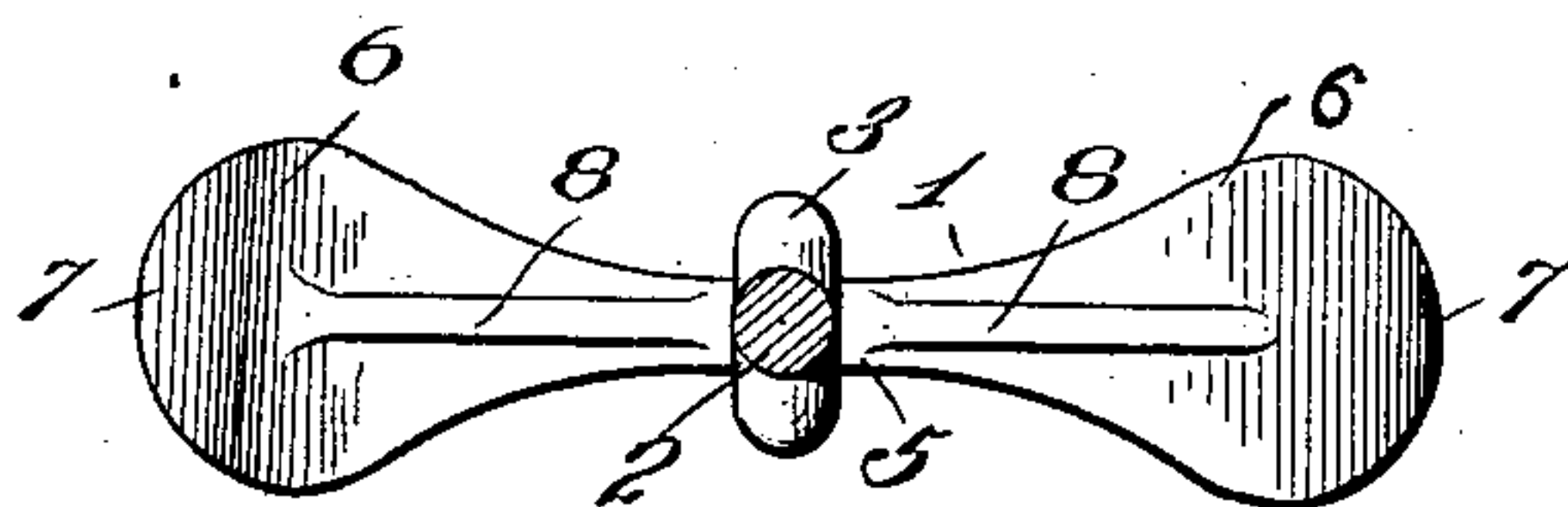
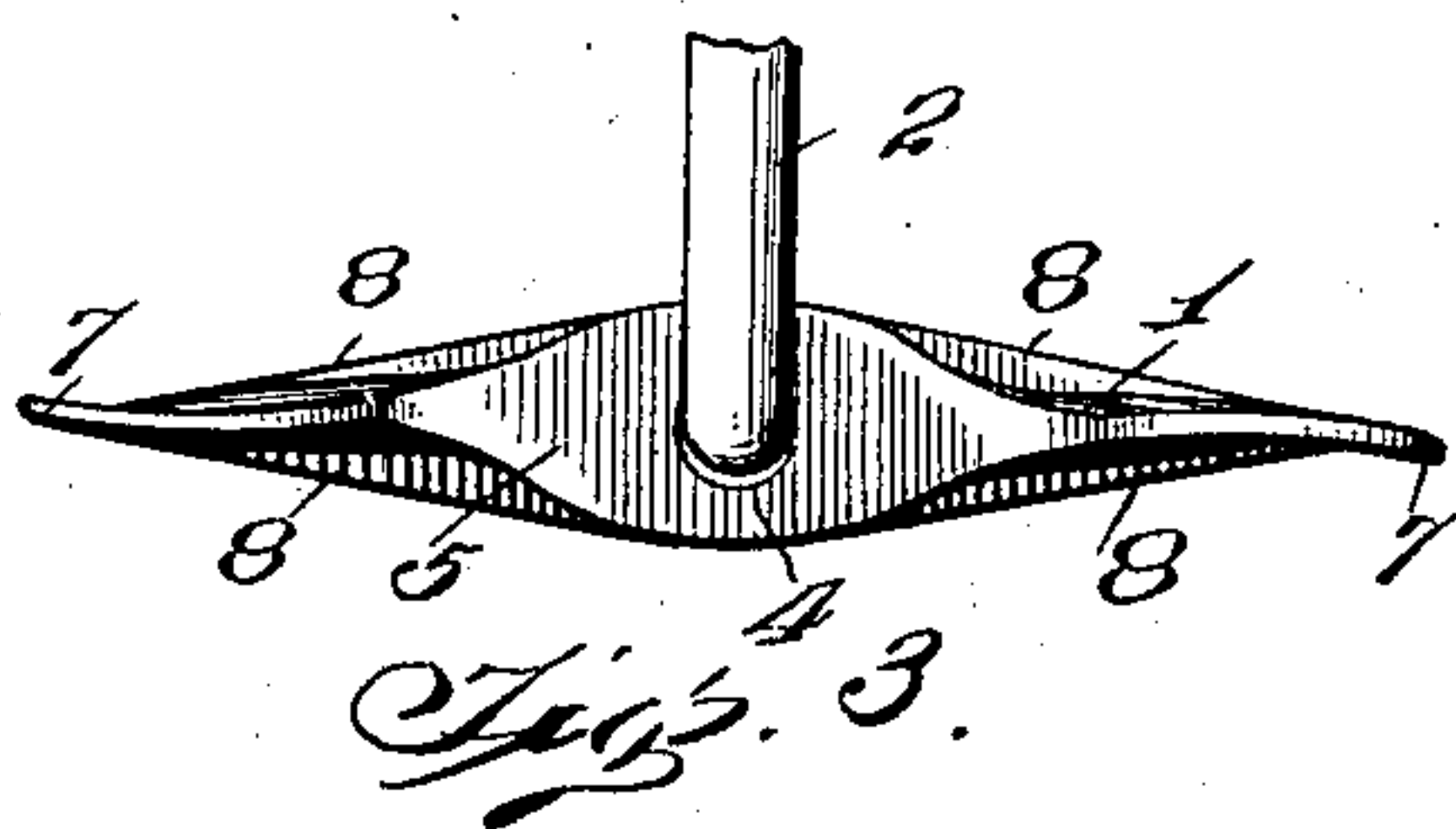
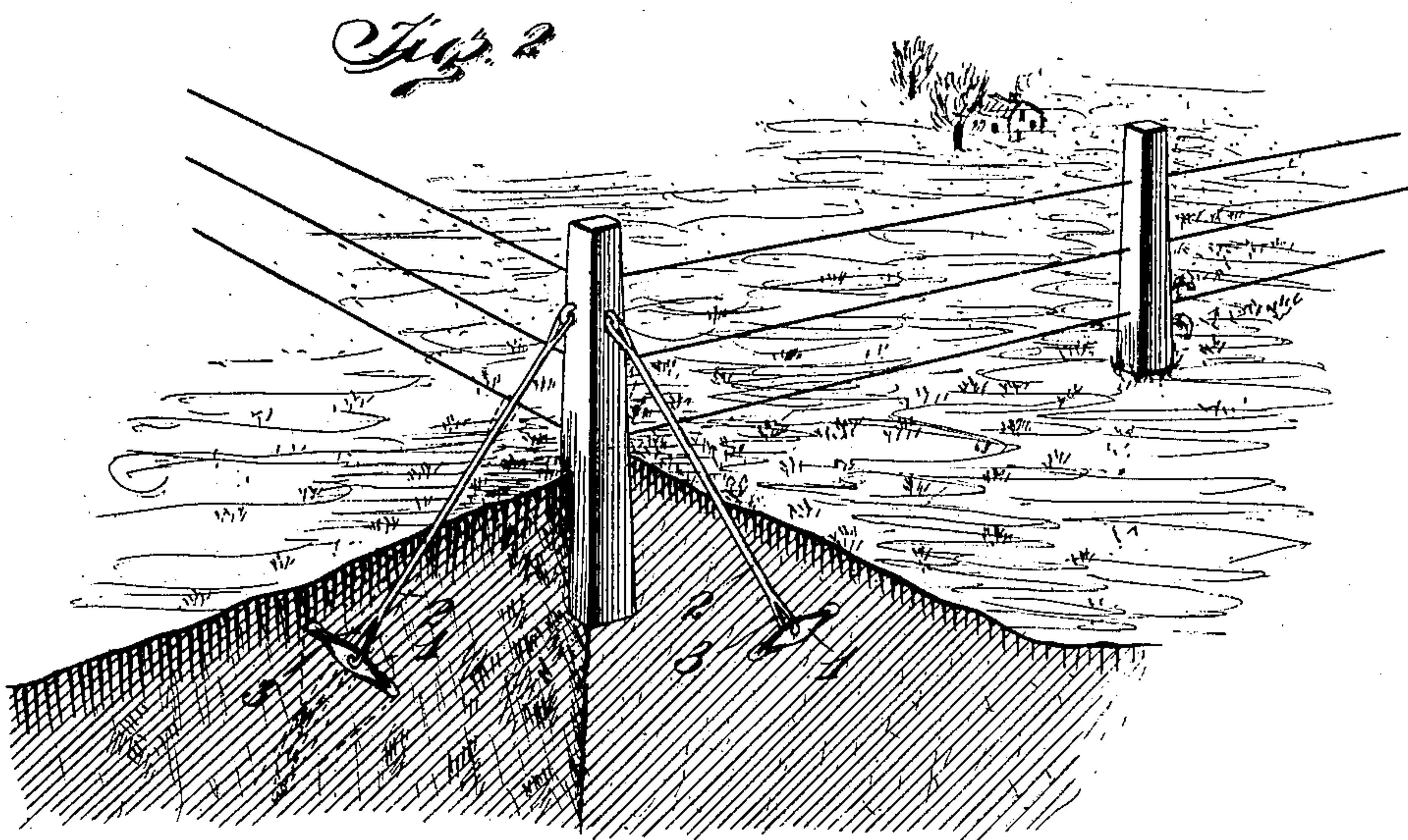
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NO MODEL.

2 SHEETS—SHEET 2.



*Fig. 4.*

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# UNITED STATES PATENT OFFICE.

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## GUY-ANCHOR.

SPECIFICATION forming part of Letters Patent No. 762,348, dated June 14, 1904.

Application filed May 16, 1903. Serial No. 157,314. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT H. POLK, a citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Guy-Anchors; 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.

The invention relates to improvements in guy-anchors.

The object of the invention is to construct a guy-anchor which can be quickly and positively inserted in a hole in the earth; and it consists in a peculiarly-constructed anchor-shoe pivotally mounted upon a guy-rod.

The invention further consists in the novel construction and arrangements of parts, as is hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the claims hereto appended.

In the drawings, Figures 1 and 2 are perspective views of the device, showing the same in practical application. Fig. 3 is a side elevation of the device, showing the guy-rod broken away. Fig. 4 is a plan view of the device, the guy-rod being shown in section. Fig. 5 is a view of the guy-anchor as it appears when being inserted into the ground, the anchor shoe or plate being folded against the rod.

In the drawings, 1 indicates an anchor shoe or plate of the device, and 2 the guy rod or stay carrying said shoe, the loop portion 3 of the guy-rod 2 passing through the central eye 4 of the shoe or plate 1. The anchor shoe or plate 1 is composed of a central body portion 5, said portion 5 having flat or engaging ends 6 extending approximately at right angles from said body portion 5, said ends 6 having their edges 7 bent in opposite directions. The flattened ends 6 are provided with reinforcing-ribs 8, said ribs extending from the central body portion 5 toward the oppositely-bent edges 7 of the flattened portion 6 of the anchor shoe or plate.

It will be seen that when the guy-anchor is applied to a telegraph-post or the like it will be necessary to connect the same to the said

post by means of a cable or rope 10, as is shown in Fig. 1.

The method of operation is as follows: A hole of small diameter is bored in the earth by means of an auger, the guy-anchor is inserted within said hole, as is illustrated in Fig. 5, to a predetermined depth, and upon a slight outward pull of the guy-rod the anchor-shoe 1 will pivot upon its axis, and, owing to its peculiar construction, the oppositely-turning edges 7 of the said shoe or blade will impinge and enter the walls of the hole in the soil until the said shoe or blade is at right angles with the guy-rod. The hole is then filled up and tamped. Upon examination of the drawings it will be noticed that owing to the peculiar construction of the body portion 5 the anchor blade or shoe can be folded snugly against the guy-rod, and thereby facilitate the insertion of the device into the hole and also insuring the positive operation of the device.

The member 2 may be made of any suitable material, and any desired form of loop can be constructed which will permit the body portion 5 when in a folded position to partially enter the loop 3 when the said blade or shoe is pivoted upon its axis.

Different modifications and proportions may be used in constructing the device without departing from the scope of the invention or sacrificing any of the essential features thereof.

Having thus described my invention, what I claim as new, and wish to secure by Letters Patent, is—

1. In a device of the character described, the combination with a stay, of an anchor-shoe pivotally secured thereto, comprising a flattened body portion, engaging ends formed integrally therewith and extending in the same horizontal plane, and at right angles thereto.

2. In a device of the character described, the combination with a stay, of a solid, enlarged apertured central body portion, flattened engaging ends of larger diameter than the central body portion, and extending in planes at right angles thereto and provided with oppositely-bent edges.

3. In a device of the character described, the combination with a stay, of an anchor member



comprising a narrow body portion, flattened blades extending at right angles therewith in the same horizontal plane, and reinforcing means formed integral with said blades, substantially as described.

4. A guy-anchor comprising a solid enlarged apertured central body portion, flattened engaging blades of larger diameter than the central body portion and extending in opposite directions from said body portion and at right angles thereto and having their ends bent in opposite directions, at a slight angle thereto.

5. A guy-anchor comprising a stay and an anchor-shoe pivotally secured thereto, said shoe having a centrally-reduced portion, flattened blades extending at right angles thereto, reinforcing-ribs formed upon said shoe, the edges of said shoe bent in opposite directions, substantially as described.

6. In a device of the character described, the combination with the stay, of an anchor-shoe pivotally secured thereto, said shoe comprising a hub, flattened engaging portions formed integral therewith and extending in opposite directions in the same horizontal plane and at right angles thereto, ribs formed upon said portions and extending to the opposite bent edges, substantially as described.

7. In a device of the character described, the combination of a stay, an anchor-shoe pivotally secured thereto comprising a flattened body portion, engaging ends extending in the same horizontal plane and at right angles to said body portion and reinforcing means for said engaging ends, substantially as described.

8. In a device of the character described, the combination with a stay of an anchor-shoe pivotally secured thereto, said shoe provided with a flattened body portion, engaging ends extending from said body portion, in the same horizontal plane and in opposite direction and reinforcing-ribs for said engaging ends.

9. In a device of the character described, the combination with a stay of an anchor-shoe pivotally secured thereto, said shoe provided with

a flattened body portion and oppositely-bent engaging ends extending at right angles from said body portion, substantially as described.

10. In a device of the character described, the combination with a stay, of an anchor-shoe pivotally secured thereto, comprising an apertured body portion, engaging ends extending at right angles thereto, a number of parallel ribs formed upon the body portion and the engaging ends, said ends extending in opposite directions to said body portion, substantially as described.

11. In a device of the character described, the combination with a stay, of a shoe secured thereto and provided with a narrow body portion, engaging ends extending therefrom in opposite directions and at right angles to said portion and having their edges bent in opposite directions, reinforcing-ribs extending from said body portion forwardly toward the bent edges of the engaging ends, substantially as described.

12. As an improved article of manufacture, a guy-anchor comprising a solid enlarged apertured central body portion, and flattened engaging ends of greater width than the central body portion extending in planes at right angles thereto and the outer edge of one of the engaging ends being bent at a slight angle thereto.

13. A guy-anchor comprising a central body portion substantially straight, said portion provided with comparatively flat blades extending therefrom and of greater width than the said body portion, one of the ends of the blades being turned outwardly.

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

ROBERT H. POLK.

Witnesses:

MAURICE WILLOWS,  
WM. C. PAULL.