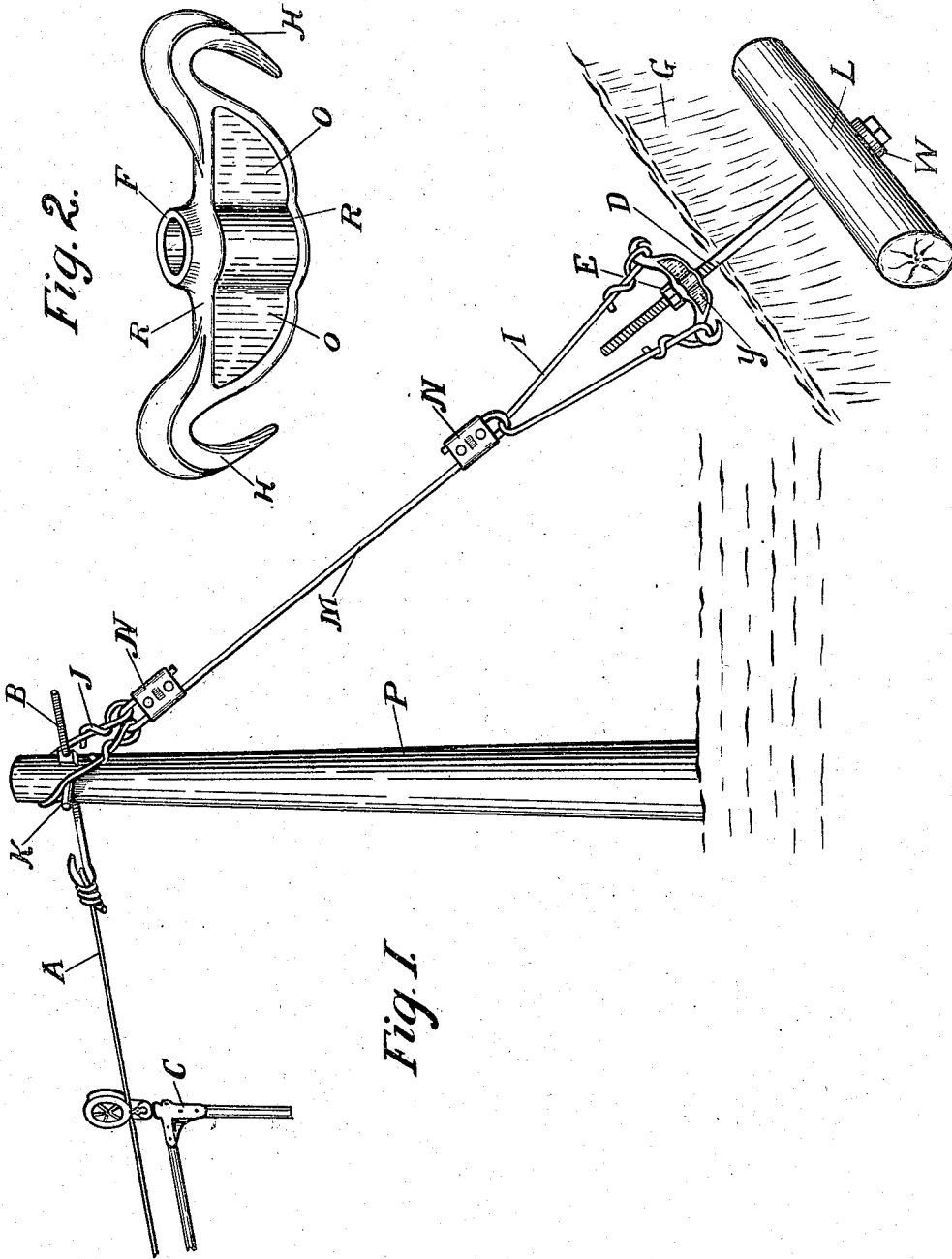


A. H. NELLER & W. LOUDEN.
SUPPORTING DEVICE FOR OVERHEAD TRACKS.
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939,618.

Patented Nov. 9, 1909.



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SUPPORTING DEVICE FOR OVERHEAD TRACKS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, ALBERT H. NELLER and WILLIAM LOUDEN, citizens of the United States, residing at Fairfield, in the county of Jefferson and State of Iowa, have invented a new and useful Improvement in Supporting Devices for Overhead Tracks, of which the following is a specification.

Our invention relates to supporting devices designed to hold a post or its equivalent in proper position to support one end of an overhead track-wire, and it consists of improved means whereby the post may be securely held and readily adjusted to the proper position, and in such other features as are set forth in the specification and specifically pointed out in the claims.

In the accompanying drawings forming a part of the specification, Figure 1 is a side perspective of a post with track-wire and anchor embodying our invention. Fig. 2 is an enlarged side view of one of the details which will be hereafter explained.

Referring to the drawings, P represents a post set in the ground and supporting one end of an overhead track-wire A upon which a carrier C (shown broken away) is adapted to run. The track-wire is secured to the post by means of a tension bolt B having a long threaded end with a bur thereon.

L is a log or timber constituting an anchor block planted in the ground G on the opposite side of the post from the track-wire but in line with it and having a long threaded bolt D passed up through it and through the ground. The head of the bolt is placed below the block and a washer W is preferably placed between it and the block. On the upper threaded end of the bolt above the ground a yoke Y is placed so as to be readily adjusted up or down by means of the bur E. This yoke, as shown enlarged in Fig. 2, is fitted with a hook H on each end, a cylindrical tubular portion F in the center to receive the bolt D, interior webs O, and upper and lower ribs R connecting the hooks and the tubular portion together.

M is an anchor wire preferably having hooks on each end with clamps N applied thereto so as to close the hooks and prevent them from spreading under a strain. A V-shaped wire I having small loops on its lower ends is hung in the lower hook of the wire M, and the loops on its lower ends are placed in the hooks H of the yoke Y.

A wire J bent in the form of a loop, also having small loops on its lower ends, is placed over the top of the post P, so as to be above the tension bolt B on the side next the track-wire and below it on the other side, and the loops are placed in the hook on the upper end of the wire M. A notch may be cut around the top of the post so the wire of the loop may be laid in it to prevent it from slipping down, or preferably a pin K may be placed in the post immediately above or below the tension bolt B and crosswise to it, so that it will hold the loop from slipping. It is preferable to set the post leaning a little away from the track A, so as to equalize the angles between the track-wire and the anchor-wire M and the post, or it may be set perpendicularly as shown in the drawing. The carrier C in running upon the track-wire A is liable to stretch or strain it or its connections. Also, hot and cold weather will expand and contract the wire and will thus loosen or tighten it. The object of our invention is to compensate for this loosening or tightening of the track-wire, so that it may at all times be easily adjusted to the proper tension and not be permitted to sag too much nor to be drawn so tightly as to injure the wire or its connections. By means of our invention the adjustment of the tension of the track-wire will be readily effected by the long threaded end of the bolt D passed through the yoke Y in such a position that the bur E thereon may at all times be readily adjusted to tighten or loosen the anchor-wire M and thus to draw the top of the post out or to let in and to regulate the tension of the track-wire to suit requirements. At the same time the tension of the track-wire may be varied to a certain extent by the tension bolt B. Also, the general construction of our supporting device is such that it is easily and quickly put together or taken apart or installed in position and withal it is extremely simple and durable in construction. The yoke Y is especially strong and well braced by means of the interior webs O and the ribs R, and it holds the ends of the wire I so the bur E may be readily adjusted with a wrench or removed from or replaced on the hooks.

In place of regular hooks H, notches may be formed on the ends of the yoke Y to receive and hold the loops of the wire I.

What we claim is:—

1. In supporting devices for overhead tracks, a post set in the ground, a suspended track-wire supported at one end by a suitable connection passed through the upper
5 end of the post, an anchor-block planted in the ground beyond the end of the track-wire and in line therewith, a threaded anchor-bolt passed up through the anchor-block so the threaded end will be above the ground,
10 an anchor-wire connected to the upper end of the post so it will be above the line of the track-wire on the inner side of the post and below it on the outer side, and means to adjustably connect the anchor-wire to
15 the anchor-bolt.

2. In supporting devices for overhead tracks, a post, a track-wire, a threaded tension bolt passed through the post and connected to the track-wire, an anchor-wire on
20 the opposite side connected to the upper end of the post, an anchor block planted in the ground, a threaded anchor bolt passed up through the anchor block so the threaded end will be above the ground, a yoke ad-
25 justably secured to the anchor-bolt and a V-shaped wire centrally connected to the anchor-wire and having loops on its ends catching under the ends of the yoke.

3. In supporting devices for overhead
30 tracks, a post, a track-wire supported at one end by the post, an anchor wire connected to the top of the post, an anchor-block planted in the ground, a threaded bolt passed up through the block so the threaded
35 end will be above the ground, a yoke adjustably secured to the bolt, and having hooks on each end, and a V-shaped wire connected at its center to the anchor-wire, and having loops on its ends connected to
40 the hooks of the yoke.

4. In supporting devices for overhead tracks, a post set in the ground, a suspended track-wire supported at one end by a suitable connection passed through the upper
45 end of the post, an anchor-block planted in the ground beyond the end of the track-wire and in line therewith, a threaded anchor-bolt passed up through the anchor-block so the threaded end will be above the ground,
50 an anchor-wire, a separate loop shaped wire surrounding the upper end of the post so as to be above the line of the track-wire on the inner side of the post, and below it on the outer side, and having smaller loops on
55 its ends connected to the upper end of the anchor-wire, and means to adjustably connect the lower end of the anchor-wire to the upper end of the anchor-bolt.

5. In supporting devices for overhead
60 tracks, a post, a track-wire supported at one end by the post, an anchor block planted in the ground, a threaded anchor bolt passed up through the block so the threaded end will be above the ground, an anchor wire
65 having a hook on each of its ends, clamps to

close said hooks and prevent them from spreading, a loop shaped wire surrounding the top of the post and having loops on its ends connected to the hook on the upper end of the anchor-wire and means to adjustably
70 connect the anchor bolt to the hook on the lower end of the anchor-wire.

6. In supporting devices for overhead tracks, a post, a track-wire supported at one end by the post, an anchor block planted in
75 the ground, a threaded anchor bolt passed up through the block so the threaded end will be above the ground, an anchor wire having a hook on each of its ends, clamps to close said hooks and prevent them from
80 spreading, a loop shaped wire surrounding the top of the post and having loops on its ends connected to the hook on the upper end of the anchor-wire, a yoke adjustably mounted on the threaded end of the bolt
85 and a V-shaped wire connected to the hook on the lower end of the anchor-wire and its ends connected to the ends of the yoke.

7. In supporting devices for overhead tracks, a post, a track-wire supported at one
90 end by the post, an anchor block planted on the ground, a threaded anchor bolt passed up through the block so the threaded end will be above the ground, an anchor wire having a hook on each of its ends,
95 clamps to close said hooks and prevent them from spreading, a loop shaped wire surrounding the top of the post and having loops on its ends connected to the hook on the upper end of the anchor-wire, a yoke
100 having hooks on its ends and adjustably mounted on the anchor bolt and a V-shaped wire connected near its center to the hook on the lower end of the anchor-wire and having loops on its ends connected to the
105 hooks of the yoke.

8. In a device of the character described, an anchor-wire, a threaded anchor bolt, a yoke mounted on the anchor bolt and having hooks on its ends, a bur on the bolt
110 above the yoke, and a V-shaped wire centrally connected to the anchor-wire, and having loops on its ends adapted to connect to the hooks of the yoke.

9. In a device of the character described,
115 an anchor-wire, a threaded anchor bolt, a yoke having a cylindrical opening in the center for the admission of the bolt, a bur on the bolt above the yoke, broadened webs and upper and lower ribs joining the cylin-
120 drical center and the hooks together, and a V-shaped wire centrally connected to the anchor-wire, and having loops on its end adapted to connect to the hooks of the yoke.

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Witnesses:

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