

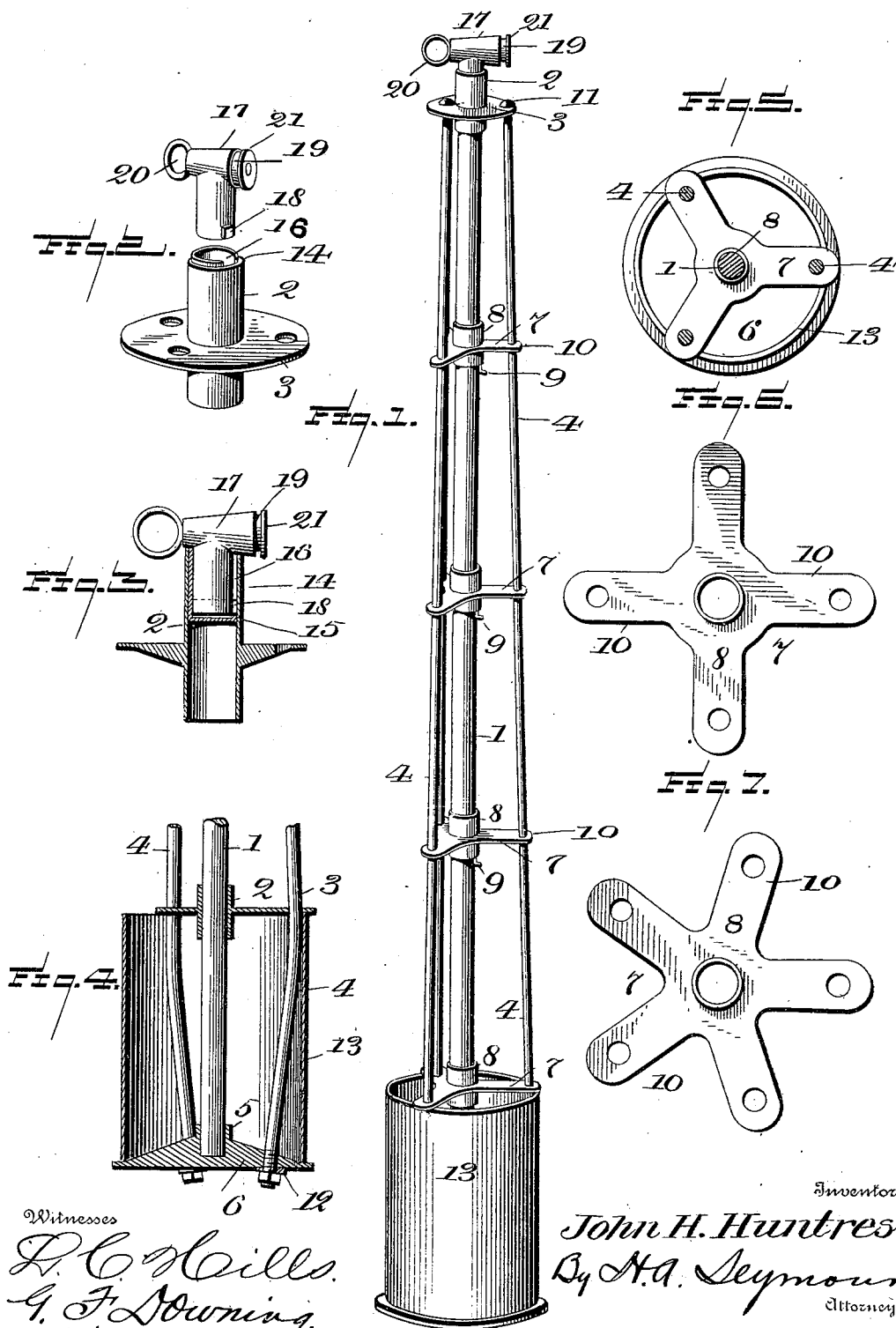
No. 658,779.

Patented Oct. 2, 1900.

J. H. HUNTRESS.
POST OR POLE.

(Application filed Aug. 28, 1899.)

(No Model.)



UNITED STATES PATENT OFFICE.

JOHN H. HUNTRESS, OF JANESVILLE, WISCONSIN.

POST OR POLE.

SPECIFICATION forming part of Letters Patent No. 658,779, dated October 2, 1900.

Application filed August 28, 1899. Serial No. 728,773. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. HUNTRESS, a resident of Janesville, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Posts or Poles; 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.

My invention relates to an improvement in posts or poles, and more particularly to posts or poles for supporting lights or overhead wires for an electric railway, the object of the invention being to provide a post or pole that will be neat in appearance, strong and durable, and which will give but slight resistance to the wind, and hence not liable to be blown down thereby.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of my improved post. Figs. 2, 3, 4, and 5 are views of details, and Figs. 6 and 7 are views of modified forms of my invention.

1 represents a central rod, which may be of any length desired, according to the height of the post or pole, and made, preferably, of metal and hollow to lighten same. The upper end of said central rod 1 is disposed in a collar or sleeve 2, having an annular flange 3, said flange having three or more holes therein arranged equidistant apart adapted to receive brace-rods 4, which will be more fully hereinafter described. The lower end of said central rod 1 is disposed in a collar or sleeve 5 on the upper face of a disk 6, which is preferably larger than the upper flange 3 and is provided with three or more holes arranged equidistant apart for the reception of the brace-rods 4, above mentioned.

A series of horizontal braces 7, having central vertical sleeves 8 to receive the rod 1, are disposed at regular intervals on said rod and removably secured thereto by means of keys or wedges 9 or other approved means. Each of said braces is provided with three radiating arms 10, having holes or openings at or

near their outer ends for the reception of the brace-rods 4. The arms 10 on the top brace are preferably shorter than the arms on the one next below, and the holes in the upper brace for the reception of the brace-rods are nearer to the sleeve 8 than those in the brace next below. Each brace has arms 10 longer than the one next above, and so on throughout the length of the post or pole, hence giving the brace-rods 4 a gradual incline, they being closest together at their upper end and gradually separating toward the bottom of the pole.

The brace-rods 3 are composed, preferably, of steel and are adapted to extend through the openings in the upper flange 3, then through the openings in the respective braces, and then through the lower disk. The upper end of each brace is provided with a head or enlargement 11 and the lower end with screw-threads to engage threads in a nut 12 to secure the parts of my improved post or pole together.

It will be seen that the holes in the lower disk are nearer to the central rod 1 than the holes in the lowest brace, thus bulging the brace-rods slightly at the point where they pass through the openings in the lowest brace. In order to assemble the parts and secure tightly the braces bulged at their lower ends, as shown, the parts of the post before mentioned are all assembled, with the exception of the lower disk 6, and the braces are pushed upward out of their places, thus giving a sufficient length and spring to the brace-rods below the lowest brace and the ends of the rods to allow same to be forced through the openings in the lower disk 6. The nuts on the brace-rods below the disk are then screwed home, after which the respective braces can be forced downward to the proper positions and locked in place by wedges or keys 9, if necessary, thus securely wedging the parts together and making a strong and most rigid device.

A jacket 13, preferably cylindrical in form, is disposed around the brace-rods 4 between the arms of the lowest brace 7 and the lower disk 6. When the post or pole is put in place, this jacket 13 extends upward above the surface of the ground and is adapted to receive any suitable cement (not shown) whereby to

more firmly plant the post in the ground, and the portion of said jacket above the ground will serve to protect the post against vehicles and the like striking thereagainst.

- 5 The upper portion 14 of the collar or sleeve 2 is provided interiorly with a horizontal groove 15 and a vertical groove 16, communicating with said horizontal groove and extending to the upper edge of said part 14 of the sleeve. A T-coupling 17, the upper member of which is made conical and the lower member with a lug or projection 18, is designed to fit into said sleeve. The lug 18 when the T-coupling is inserted into the sleeve is placed 15 in the vertical groove 16 and the coupling pushed downward until the lug rests in the groove 15, when the coupling can be turned and secured in place, and when it is desired to remove the coupling it is simply necessary to turn same until the projection 18 is in alignment with the vertical groove 16, when the coupling can be removed without difficulty. A conical wedge 19, preferably of some non-conducting material, is disposed in the upper or conical member of said coupling and is provided with a hole, as shown, through which an eyebolt 20 is adapted to pass. Said eyebolt 20 has secured to one end a washer 21 to prevent its removal.
- 30 Instead of providing my improved post or pole with only three brace-rods, as shown, I might employ four or five, and in such event I would use braces such as shown in Figs. 6 and 7, or I might employ still more of said 35 brace-rods, according to the use to which the post or pole is to be put.

- Various slight changes might be resorted to in the general form and arrangement of the several parts described without departing 40 from the spirit and scope of my invention, and hence I would have it understood that I do not limit myself to the precise details shown and described, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of 45 my invention.

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

1. A support comprising an upright, a disk 50 secured to the lower end of said upright, a sleeve secured to and projecting above the upright, an annular flange encircling said sleeve, a removable device mounted in said sleeve and adapted for attachment of the device 55 to be supported, and rigid rods connecting said annular flange with the disk at the lower end of the upright.

2. A support comprising an upright, a sleeve secured to the upper end thereof, said sleeve 60 having an internal L-shaped groove, a T-coupling having a lug on its depending member to enter said sleeve, and a fastening device connected with the horizontal member of said T-coupling for securing the device to be 65 supported, to the upright.

3. A support comprising a central upright, a disk secured directly to the lower end of said upright, a sleeve secured to the upper end of the upright, a removable device mounted in said sleeve for supporting a device to be supported, an annular flange at the upper end of said upright, a bracket having a series of radiating arms, secured to the upright above the base thereof, a series of brackets 75 secured to the upright above the first-mentioned bracket and having radiating arms, the arms of the brackets of said series of brackets being of gradually-decreasing lengths from the base-bracket toward the top of the 80 upright, and rigid rods secured at their respective ends to the disk at the lower end of the upright and the flange at the upper end thereof and passing successively through the arms of said brackets. 85

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

JOHN H. HUNTRESS.

Witnesses:

JESSE EARLE,

GEO. G. SUTHERLAND.