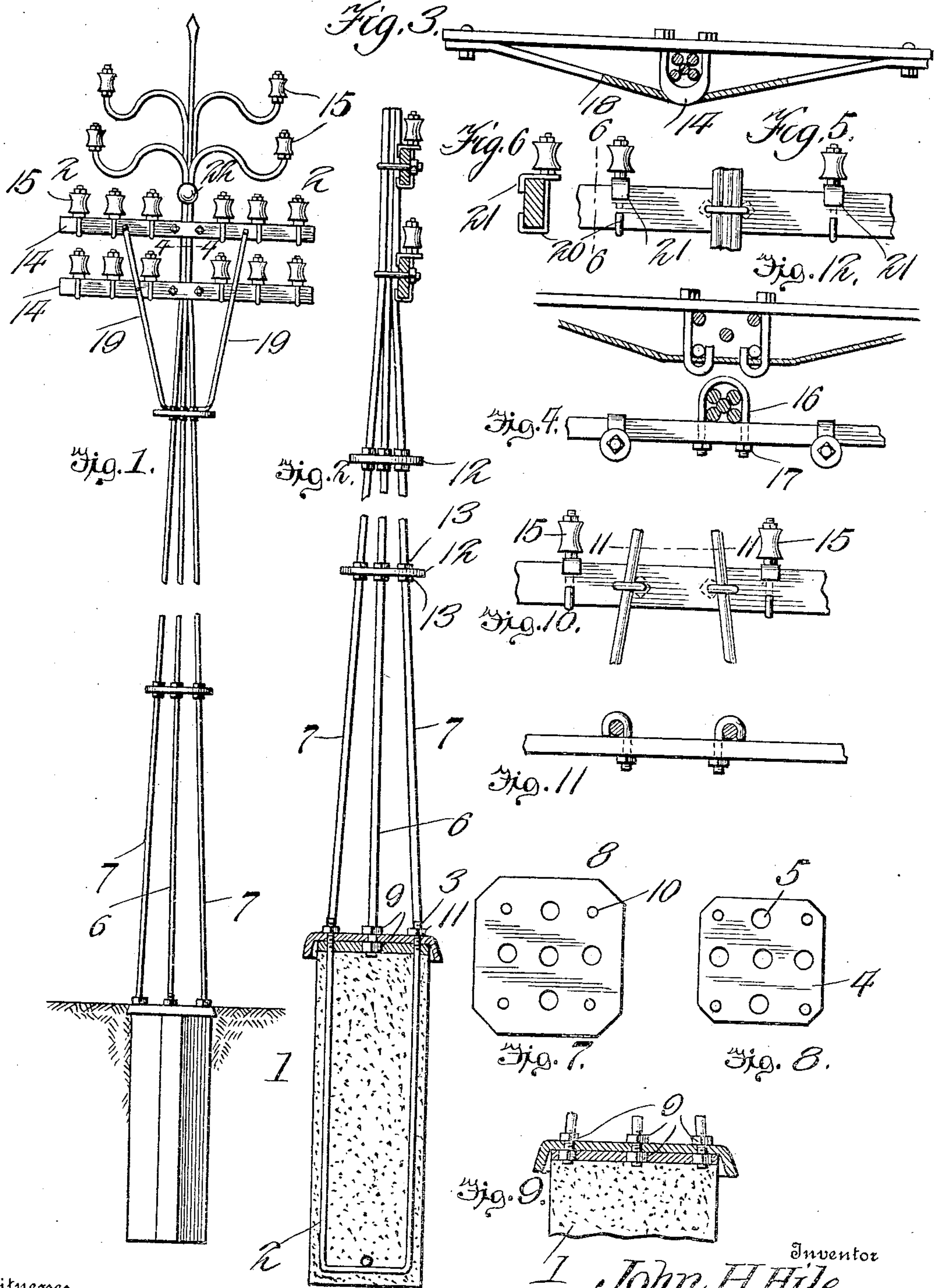


J. H. HILE.
TELEGRAPH AND TELEPHONE POLE.
APPLICATION FILED AUG. 4, 1908.

931,425.

Patented Aug. 17, 1909.



Witnesses
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JOHN H. HILE, OF BELTON, ARKANSAS.

TELEGRAPH AND TELEPHONE POLE.

No. 931,425.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN H. HILE, a citizen of the United States of America, residing at Belton, in the county of Hempstead and State of Arkansas, have invented new and useful Improvements in Telegraph and Telephone Poles, of which the following is a specification.

This invention relates to metallic telegraph or telephone poles, and the object of the invention is to provide a comparatively light, durable and strong device of this character comprising a base formed of suitable plastic material and having U-shaped reinforcing members provided with upwardly projecting ends, and a pole portion comprising a plurality of rods, one of said rods being centrally arranged, the remaining rods diverging from the central rod toward a base plate, and the base plate being secured to the projecting portions of the reinforcing members provided by the plastic base, and the rods being provided with a plurality of retaining members whereby the rods are secured in spaced relation with each other, and whereby rigidity and firmness are imparted to the structure.

With these and other objects in view, which will be apparent as the description progresses, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a front elevation of a pole constructed in accordance with the present invention. Fig. 2 is a partial vertical view of the same, taken upon an enlarged scale, the upper portion of the pole being broken away. Fig. 3 is a sectional view upon the line 2—2 of Fig. 1 and looking from the rear thereof. Fig. 4 is a sectional view upon the line 4—4 of Fig. 1. Fig. 5 is a rear elevation of a portion of the lower cross arm looking toward the rear of the device illustrated in Fig. 1. Fig. 6 is a sectional view upon the line 6—6 of Fig. 5. Fig. 7 is a top plan view of the base plate for the rods. Fig. 8 is a similar view of the top plate for the plastic base. Fig. 9 is an enlarged cross sectional view taken through the upper portion of the plastic base and the base plate of the rods. Fig. 10 is a partial elevation illustrating a manner of connecting a cross arm to the rods at a point where the rods are converged or spread apart. Fig. 11 is a sectional view upon the line 11—11 of Fig. 10. Fig. 12 is a sectional view

illustrating another manner of connecting the cross arm to the rods when in their spread position.

In the accompanying drawings the numeral 1 designates the base portion of the improved pole which is adapted to be inserted within the ground. This base portion 1 is constructed of suitable plastic material, such as cement, and may be of an octagon shape as illustrated in Fig. 1 of the drawings. The base 1 is provided with U-shaped reinforcing members 2. The members 2 are adapted to be positioned within the base at a substantially right angular relation to each other and are adapted to have their free ends 3 threaded and to extend a suitable distance above the upper face of the base 1. The upper face of the base is provided with a metallic top plate 4, and this plate is provided with a plurality of openings adapted for the reception of the projecting portions of the U-shaped reinforcing members 2. The plate 4 is also provided with a plurality of spaced cut away portions or depressions 5, the purpose of which will hereinafter appear.

The pole member of the device is composed of a plurality of vertical rods, preferably comprising a central rod 6 and bracing rods 7. The rods 6 and 7 have their lower ends secured to a base plate 8 through the medium of shrunk nut 9 engaging both the top and the bottom of the plate 8. The plate 8 is also provided with a plurality of openings adapted for the reception of the threaded projecting portions 3 of the U-shaped reinforcing elements provided for the plastic base 1. These threaded projections 3 are provided with suitable retaining elements 11 by which the pole portion of the device is securely retained upon the base 1, and the depressions or cut away portions 5 of the top plate 4 are adapted for the reception of the shrunk nuts 9 upon the lower face of the plate 8. As illustrated in Figs. 1, 2 and 9 of the drawings, the edges of the plate 8 are inclined downwardly to provide a substantial apron adapted to extend below the upper portion of the plastic base 1 and to serve as a protector for the same.

The central rod 6 extends upwardly from the base in a true vertical line, while the bracing rods 9 incline upwardly toward the central rod 6. The rods 7 being retained in proper spaced relation with the rod 6 through the medium of a plurality of

spaced collars 12. These collars or plates 12 are provided with suitable openings for the rods 6 and 7 and are retained in position upon the rods through the medium of shrunk nuts 13. The post is provided with suitable cross arms 14, adapted for the reception of the insulators 15 which receive the telegraph or telephone wires. These cross arms 14 are secured to the rods 6 and 7 by a U-shaped yoke 16. The yokes 16 have their ends threaded and are adapted to project through suitable openings provided by the cross arms 14 and to be secured thereto through the medium of retaining elements 17. The upper cross arm 14 is provided with a suitable horizontally extending brace 18, and both of the cross arms 14 are provided with inclined bracing members 19 which have their lower end offset and secured to the upper plate 12. The insulators 15 are each provided with a U-shaped cleat 20 which is adapted to engage the lower sides and edge of the cross arms and positioned upon the vertical arm of the longer member of the cleat is an L-shaped member 21 having its offset finger engaging the upper rear side of the cross arms.

The longer arm of the U-shaped cleat 20 is threaded and adapted to extend through a central opening provided by the insulator members 15 and to receive threaded retaining members whereby the insulator is securely retained upon the cross arm. In Figs. 10, 11 and 12, the cross arms are illustrated connected with the bracing rods 7 at a point where they diverge away from the central rod 6, but the mode of connecting these arms with the post is substantially similar to that above described. The rods 6 and 7 may be secured together, above the cross arms 14, in any desired or preferred manner. In the present instance I have provided an ornamental ball 22 having a hollow passage adapted for the reception of the rod and also adapted to be rigidly secured to the rod to prevent the same from becoming disengaged from each other. If desired, the bracing rods 7 may be curved, as illustrated in Fig.

1 of the drawings, and their free ends adapted for the reception of suitable insulators 15, while the central rod may extend upwardly beyond these bracing rods, and be provided with a suitable ornament, thus adding to the attractiveness of the pole.

It is to be understood that all of the exposed parts are galvanized or painted to preserve the device from the elements.

Having thus fully described the invention what is claimed as new is:

1. In a device of the character described, a plastic base, U-shaped metallic reinforcing members for said base, said reinforcing members having their ends projecting above the base, a metallic top plate for the base, a pole portion constructed of a central rod and converging brace rods, a base plate for the rods, said base plate being provided with openings adapted for the reception of the projecting reinforcing elements, and means for securing the base plate upon the reinforcing elements.

2. In a device of the character described, a plastic base, U-shaped reinforcing elements arranged at right angles to each other for the base, the U-shaped members being provided with threaded extending portions, a metallic top plate for the base, and a pole member constructed of metallic rods, said member comprising a central rod having converging bracing rods, plates for retaining the bracing rods in spaced relation with the central rod, cross arms upon the pole, a base plate for the pole, said base plate having its edges downturned to provide an apron and having openings adapted for the reception of the threaded extensions of the U-shaped reinforcing members, and securing members adapted to engage the threaded extensions to retain the post upon the plastic base.

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

JOHN H. HILE.

Witnesses:

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