No. 811,435. PATENTED JAN. 30, 1906.

J. M. PERDUE.

TELEGRAPH OR TELEPHONE POLE.

APPLICATION FILED JULY 11, 1905.

Fig. 1.

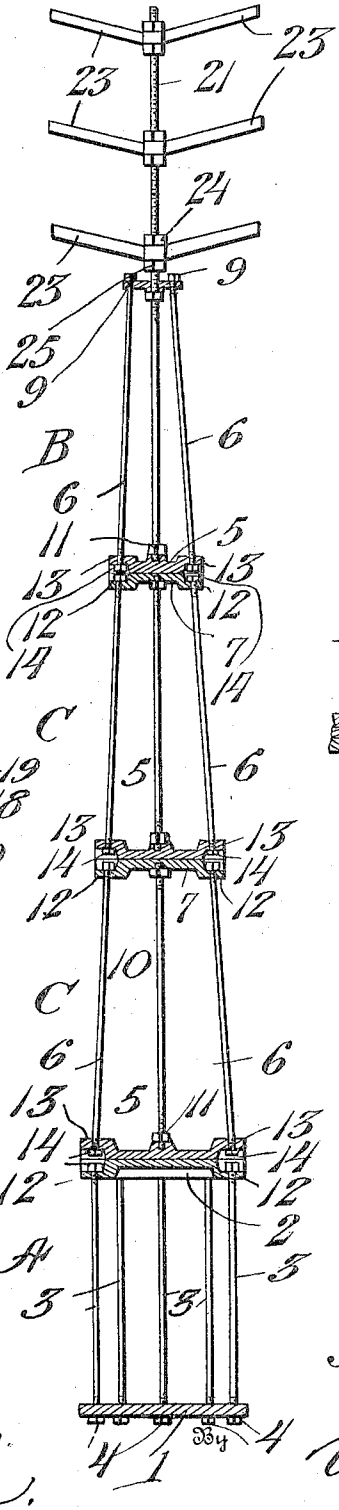


Fig. 2.

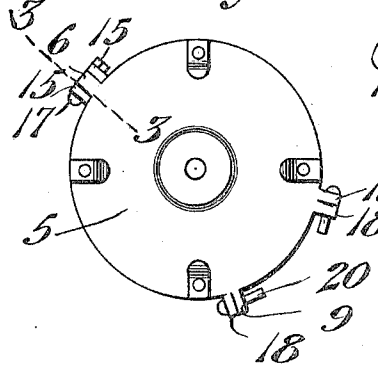


Fig. 3.

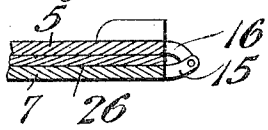
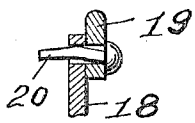


Fig. 4.



Witnesses.
Phil. C. Barnes.
C. C. Hines.

Inventor
James M. Perdue,
Victor J. Evans.
Attorney

UNITED STATES PATENT OFFICE.

JAMES M. PERDUE, OF MATTHEWS, GEORGIA.

TELEGRAPH OR TELEPHONE POLE.

No. 811,435. Specification of Letters Patent. Patented Jan. 30, 1906.

Application filed July 11, 1905. Serial No. 269,244.

To all whom it may concern:

Be it known that I, JAMES M. PERDUE, a citizen of the United States of America, residing at Matthews, in the county of Jefferson and State of Georgia, have invented new and useful Improvements in Telegraph or Telephone Poles, of which the following is a specification.

This invention relates to telegraph or telephone poles; and one of its objects is to provide a pole which is simple of construction, light in weight, durable in use, and inexpensive of production.

Another object is to provide a pole composed of a plurality of sections of which any desired number may be used according to the height of pole desired, the sections being constructed in such manner as to permit them to be conveniently connected and disconnected to facilitate the setting up or removal of the pole or of a variation in its height after construction.

The preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a view, mainly in central vertical section, of my improved telephone or telegraph pole. Fig. 2 is a top plan view of one of the coupling members. Fig. 3 is a detail section thereof, taken on line 3 3 of Fig. 2, and Fig. 4 is a detail section through one of the fastenings of the coupling member.

In carrying my invention into practice I provide a pole consisting of a base-section A, a top or crown section B, and one or more intermediate sections C. The base-section A is adapted to be embedded partially or wholly in the ground and comprises a base or anchor plate 1, an upper coupling member 2, and a series of rods or bars 3, extending between and connected to the same. The rods 3 are threaded at their lower ends in openings in the anchor-plate 1 and provided with securing-nuts 4 and are connected with the coupling-plate 2 in the manner hereinafter described. The crown-section B and intermediate section C are alike in construction with the exception of the fact that the upper connecting or coupling member thereof is of different construction. With this exception each of said sections comprises a bottom coupling plate or member 5 and a series of rods 6, the rods of the intermediate sections being connected at their upper ends to a coupling member or plate 7, while the rods of the crown-section are connected at their upper ends to a crown-plate 8, said crown-plate having threaded openings to receive the threaded ends of the rod, which are provided with securing-nuts 9. The coupling plates or members and the crown-plates are preferably of circular form, the rods 6 extending in an annular series around the same adjacent to the periphery thereof. The top section and each intermediate section is also provided with a central stay-rod 10, threaded at its ends to enter threaded apertures in the coupling-plates and provided with securing-nuts 11.

The coupling members 2 and 7 are alike in construction, each being provided in line with the rod-receiving openings therein with a depression or recessed boss 12, while the coupling members or plates 5 are similarly provided with upwardly-extending recessed bosses 13, which bosses register and form spaces to receive and house the securing-nuts 14 upon the rods 6. The coupling member 2 and each of the coupling members 7 is provided at one side with spaced ears 15 to receive a knuckle 16 on the coöperating coupling member 5, a pivot-pin or pintle 17 being passed through these parts and pivotally connecting the couplings together, so that in the process of constructing the post each section may be primarily hinged to the sections below it and then swung upwardly into its proper position. This construction also permits each upper section to be swung downwardly to facilitate its release from the section below it in the process of disassembling the parts to take down the post. The coöperating coupling members are further provided on the sides of their peripheries opposite the hinged joint with eyes or ears 18 and 19, through which fastening-pins 20 are passed to secure said coupling members together. These pins are provided with laterally offset or deflected shanks, so that when driven into engagement with the eyes they will be held from casual disengagement without the use of auxiliary fastenings, and can only be disconnected by forcing them out of engagement with the eyes by a hammer or other suitable tool. The various sections of the post preferably taper or diminish in width in order to impart a tapered formation to the entire post-body.

The crown-plate 8 is provided with a central threaded opening to receive the lower end of a supporting-stem 21, which is provided at its lower end with a securing nut or head

22. Upon this stem are arranged cross-arms 23, which may carry insulators or other suitable supports for the wires. Each cross-arm is provided with a central aperture for the passage of the stem and is secured in position thereon by upper and lower clamping-nuts 24 and 25, the arms being thus adjustably mounted to support the wires at different elevations.

Owing to the fact that the post is constructed mainly of rods secured in a simple manner to coupling members, it will be seen that a simple and light structure is provided which may be cheaply manufactured, and that by constructing the post of sections a post of any desired height may be conveniently set up. The mode of connecting the coupling members also facilitates the connection and disconnection of the post-sections, as will be readily understood. If desired, a layer 26 of waterproof material may be interposed between the coupling members to exclude moisture and prevent the inner faces thereof from rusting.

Having thus described the invention, what is claimed as new is—

1. A post comprising a series of sections, each formed of rods and heads, means for pivotally connecting the heads of the superposed sections, and means for uniting the heads against movement on their pivotal connections.

2. A post comprising a base-section, a crown-section, and a series of intermediate sections, each section comprising rods connected with heads, means for pivotally connecting the heads of the superposed sections, means for uniting the heads against movement on their pivotal connections, a supporting-stem carried by the head of the crown-section, and arms supported by said stem.

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

JAMES M. PERDUE.

Witnesses:
THEO. L. ALLEN,
D. G. D. ALLEN.