(No Model.)

G. W. GLAZIER.

METAL BASE FOR POLES.

No. 589,079. Patented Aug. 31, 1897.

Fig. 1.

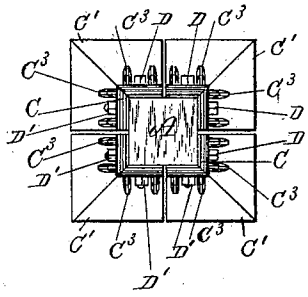


Fig. 2.

Fig. 5.

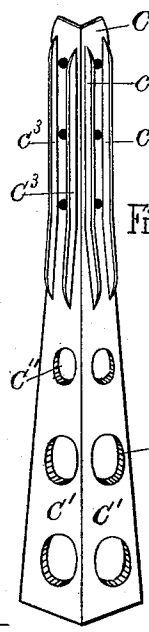


Fig. 4.

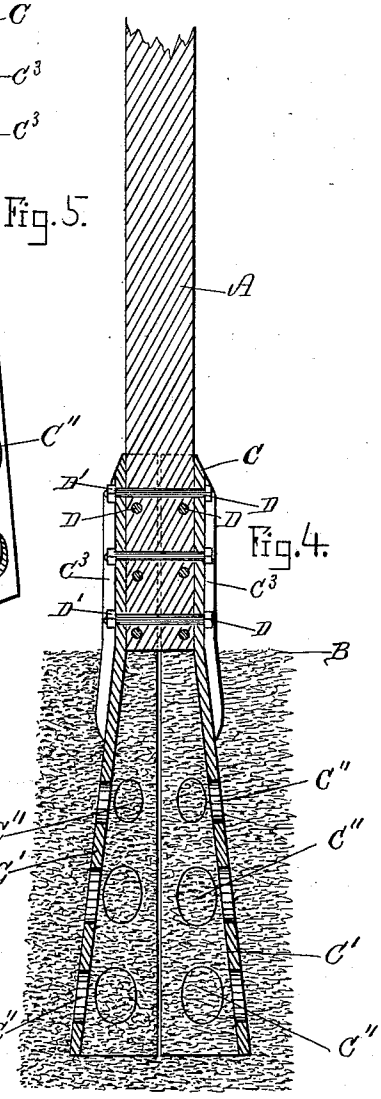
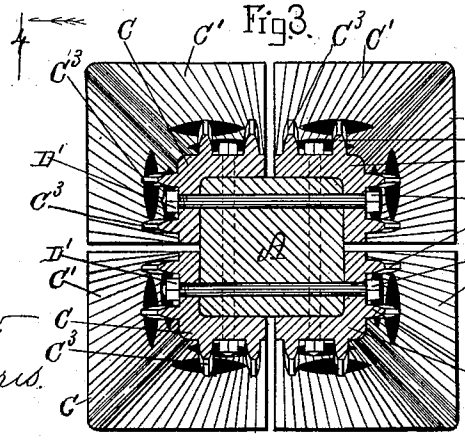


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

GEORGE W. GLAZIER, OF SALEM, MASSACHUSETTS.

METAL BASE FOR POLES.

SPECIFICATION forming part of Letters Patent No. 589,079, dated August 31, 1897.

Application filed July 7, 1897. Serial No. 643,785. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. GLAZIER, a citizen of the United States, and a resident of Salem, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Metal Bases for Telegraph and other Poles, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in metal bases for telegraph and other poles; and it has for its object to make a firm, strong, and durable foundation for the lower end of such poles, so as to secure them rigidly to the ground.

The device is equally useful for application to old poles the ground ends of which may be decayed, as well as for new poles, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a top plan view of a pole provided with my improved metal base. Fig. 2 represents a side elevation of the same. Fig. 3 represents an enlarged cross-section on the line 3 3, shown in Fig. 2. Fig. 4 represents a longitudinal section on the line 4 4, shown in Fig. 2; and Fig. 5 represents an edge view of one of the sections of the metal base.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In the drawings, A represents a telegraph, trolley, or similar pole which may be square, polygonal, or circular in section, as may be desired, without departing from the essence of my invention. To that end of said pole which is above the ground-surface B are secured the segmental metal base portions C C C C, which are secured to the lower end of the pole A by means of bolts D D, going through perforations in the pole and metal base-sections, as shown.

D′ D′ are fastening-nuts screwed on the ends of the said bolts, as shown.

The lower ends of the base-sections C are made outwardly flaring, as shown at C′ C′ in the drawings, and are provided with a series of perforations C″ C″, which I term the "ramming-holes," through which the earth is rammed by a suitable ramming-tool into the space between the outwardly-flaring base-sections C′ C′ after the said sections have been placed in a cavity in the ground, as shown.

In practice I make integral with the outside of the said base-sections strengthening-ribs C^3 C^3, which, besides serving as means to increase the strength and resistance of said sections against a lateral strain caused by wind pressure or tension of telegraph, telephone, or trolley wires, also serve in a measure to conceal and protect the heads and nuts of the fastening-bolts D D.

For square poles I prefer to use four angular metal base-sections, as shown; but for polygonal or cylindrical poles, more or less, such base-sections may be used without departing from the spirit of my invention.

Telegraph, telephone, and similar electric-wire-supporting poles are very liable to become decayed and rotten where they are embedded in the ground and are then usually discarded and replaced by new ones, which entails a great loss and necessary expense in providing new poles.

By my invention the old poles may be saved simply by sawing off the decayed lower end and attaching to that portion of the pole above the ground my improved sections, which are afterward inserted in a suitable post-hole in the ground and firmly rammed in position.

The invention is also applicable as a metal base for new poles of any suitable form or shape, as hereinabove described.

What I wish to secure by Letters Patent and claim is—

1. In combination with an electric-wire-supporting or other pole, a metal base composed of sections adapted to be secured to the pole and having outwardly-flaring ground portions and ramming perforations in the latter substantially as and for the purpose set forth.

2. In combination with an electric-wire-supporting or other pole, a metal base composed of sections secured to the pole, said sections having outwardly-flaring ground portions, ramming perforations in the latter, and vertical reinforcing-ribs on the outside of said sections substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 25th day of June, A. D. 1897.

GEORGE W. GLAZIER.

Witnesses:
ALBAN ANDRÉN,
CHARLES C. BRIGGS, Jr.