H. S. ALBRECHT.

POST OR POLE.

APPLICATION FILED JUNE 29, 1908.

926,311. Patented June 29, 1909.

Fig. I.

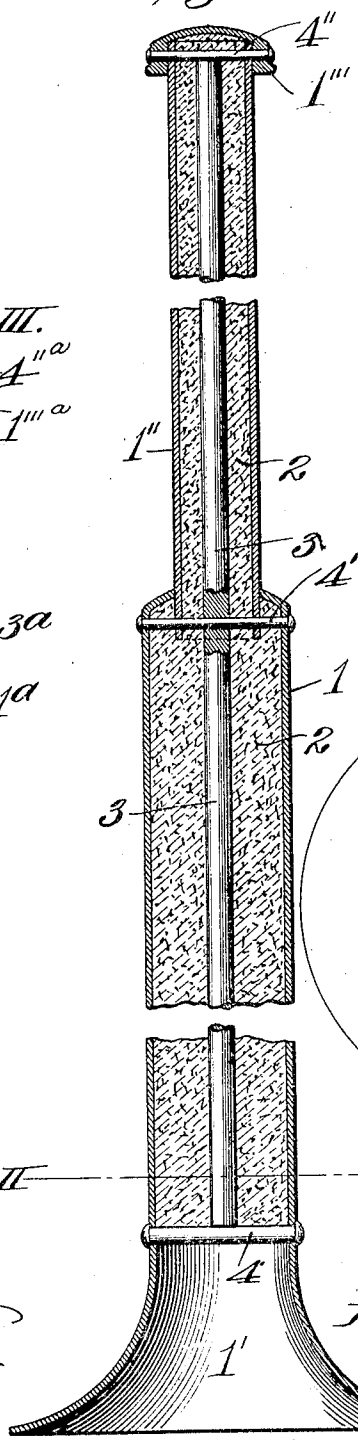


Fig. III.

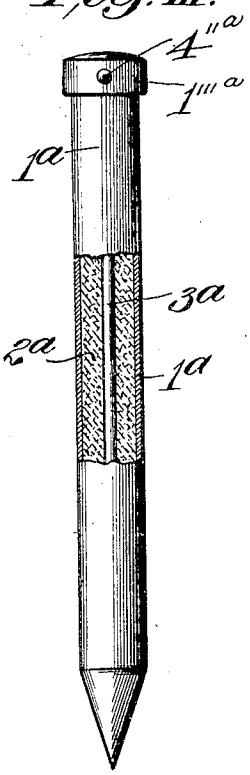
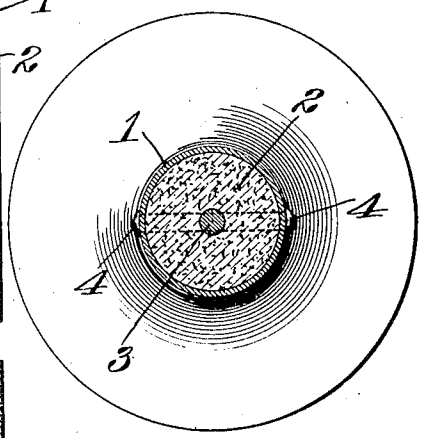


Fig. II.



Witnesses:
Wm. H. Scott
Blanche Hogan

Inventor:
H. S. Albrecht,
by Testwright
Atty.

UNITED STATES PATENT OFFICE.

HERMAN S. ALBRECHT, OF ST. LOUIS, MISSOURI.

POST OR POLE.

No. 926,311. Specification of Letters Patent. Patented June 29, 1909.

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To all whom it may concern:

Be it known that I, HERMAN S. ALBRECHT, a citizen of the United States of America, residing at the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Posts or Poles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that character of posts or poles in which concrete is employed as the body or core of resisting material and it has for its object the provision of means within the concrete body whereby said concrete body is reinforced or stiffened, and also the provision of means by which the concrete body is kept in place and restrained from endwise movement in its casing, either during shipment of the posts or poles or after they are placed in upright positions for service, but more particularly during shipments.

Figure I is a vertical or longitudinal section taken through a post or pole constructed in accordance with my invention. Fig. II is a cross section taken on line II—II, Fig. I. Fig. III is a view partly in elevation, and partly in longitudinal section of a modification.

In the accompanying drawings: 1 designates the lower section, having a flared hollow base 1′, and 1″ the reduced upper section, having a cap 1‴, of the casing of my post or pole, and 2 is the concrete body or core molded within said casing. This concrete body or core is reinforced and strengthened by a stiffener rod 3 that extends longitudinally through the center of the body or core to serve as a brace member to lessen the liability of breakage of the concrete body or to take the entire strain that may be imposed upon the post or pole in the event of the concrete body becoming fractured at any one or more points.

For the purpose of preventing endwise movement of the concrete body and also of the stiffener rod within the post or pole when the base 1′ of the casing is made of open form, I mount in said casing at or near the lower end of the concrete body a rivet or bolt 4, against which the lower end of the stiffener rod impinges, and which by extending transversely of the concrete body efficiently performs the service it is intended to perform. The lower section 1 and the upper section 1″ of the post or pole illustrated in Fig. I are united by an intermediate bolt or rivet 4′ passing through the stiffener rod and when the casing is so made, this intermediate bolt or rivet 4′ by passing through the concrete body also serves in conjunction with the lower bolt or rivet 4 to hold the concrete body from movement within the casing surrounding it. 4″ is an upper rivet or bolt passing through the cap 1‴ and through the upper end of the concrete body and securing the cap and preventing the outward movement of the stiffener rod at its upper end by its impingement against the upper rivet or bolt 4″.

In Fig. III I have shown a varied form of my post or pole in which 1^a designates the casing, 2^a the concrete body or core and 3^a the stiffener rod. $1'''^a$ is the cap and $4'''^a$ a rivet or bolt securing the cap and preventing the upward movement of the stiffener rod 3^a. The casing of this post or pole is made tapering at its base to provide for the retention of the concrete body within the casing thereby dispensing with the necessity for the use of a bolt or rivet mounted in the casing as hereinbefore described.

Having thus described my invention the following is what I claim as new therein and desire to secure by Letters Patent:

A post or pole comprising a casing constructed with a lower section having a flared hollow base and an upper reduced section having a cap, a lower rivet or bolt passed through the lower section at the upper end of the flared hollow base, an upper rivet or bolt passed through the cap and the upper end of the upper section, a concrete body or core within the lower and upper sections of the casing, a stiffener rod embedded within said concrete body or core and extending longitudinally thereof and having its ends impinging against the lower and upper rivets or bolts respectively, and an intermediate rivet or bolt passed through the adjacent ends of the lower and upper sections of the casing and through the stiffener rod.

HERMAN S. ALBRECHT.

In presence of—
BLANCHE HOGAN,
H. G. COOK.