

Patented Mar. 8, 1910.

951,142.

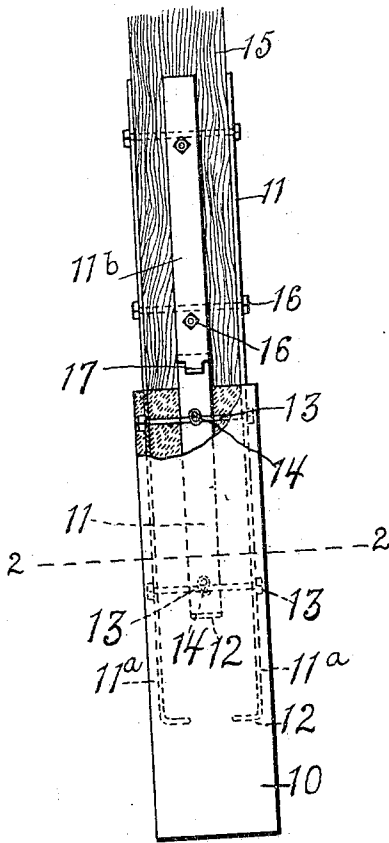


Fig. 1.

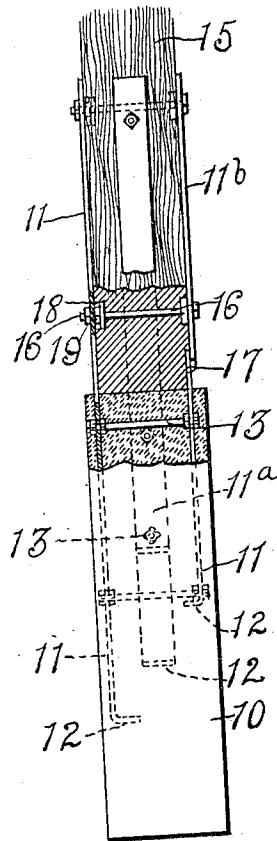


Fig. 3.

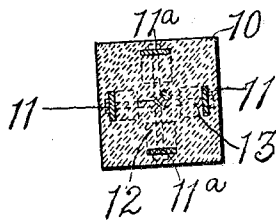


Fig. 2.

Witnesses:
Frank L. Hubbs.
Arthur L. Dunwell.

Maurice K. Murray, Inventor.
By his Attorney
W. B. Hutchinson.

UNITED STATES PATENT OFFICE.

MAURICE H. MURRAY, OF BAKERSFIELD, CALIFORNIA.

POLE-BASE.

951,142.

Specification of Letters Patent.

Patented Mar. 8, 1910.

Application filed February 6, 1908. Serial No. 414,634.

To all whom it may concern:

Be it known that I, MAURICE H. MURRAY, of Bakersfield, Kern county, California, have invented a new and useful Improvement in Pole-Bases, of which the following is a full, clear, and exact description.

My invention relates to improvements in pole bases, of reinforced concrete or cement, and my present invention is an improvement on the structure shown in Letters Patent of the United States No. 864,854, issued to me on September 3rd, 1907.

As in the former case, my present pole base is intended to be planted in the ground so as to support a pole or post on its end and at a point above the ground, to the end that the pole will not rot. My present invention is also intended to be applicable to existing lines of poles for telegraph, telephone, and other uses, as in the former case referred to. I have found, however, that it is desirable to have the straps which are embedded in the pole base and secured to the pole or post, anchored at different points in the concrete or cement, so that the swaying of the pole will not bring the strain on the anchors at any one point in the pole base, but that by distributing the strain and making the straps of various lengths and having the anchoring means at different points, the base is very much strengthened and its cost is not increased. I have also found that it is desirable to have a separable or hinge joint near the base of the pole and uniting the parts of the straps above and below the top of the pole base on at least one side of the structure, as by this means the jointed strap can be attached while the pole is in an inclined or horizontal position, and the pole can then be lifted and tipped to place against the other securing straps with great facility, and the hinged or jointed strap assists in guiding the pole as it is raised.

Reference is to be had to the accompanying drawing forming a part of this specification, in which similar reference characters indicate corresponding parts in all the views.

Figure 1 is a broken side elevation of the pole base embodying my invention. Fig. 2 is a cross section on the line 2-2 of Fig. 1. Fig. 3 is a broken side elevation at right angles to that shown in Fig. 1.

The pole base 10 has its body portion made of concrete or cement of any suitable

and usual kind, and embedded in this are the straps 11 and 11^a, which are secured as usual by embedding them in the cement while it is soft or placing them in the mold and pouring the cement around them. The lower parts of the straps are wholly embedded in the cement, however, and thus oxidation is prevented. The straps 11 and 11^a are of different lengths, that is they project into the pole base to varying depths, and they are anchored first by having their lower ends formed into inturned flanges as shown at 12, and next by cross bolts 13 which connect the pairs of straps 11 and also the pairs of straps 11^a, and the bolts 13 preferably cross near one another and are tied together by a suitable tie 14, preferably of wire. The straps project well above the top of the pole base, and the pole or post 15 is placed in position with the upper ends of the straps against its sides, and the straps are secured to the pole by cross bolts 16 with suitable nuts thereon, and so the whole structure is secure. The pole base is inserted in the ground so that its top will be a little above the surface, and it will be seen that the pole being thus raised from the ground will last for a long time. It will also be understood that the pole base may be planted near a pole of an existing line, and the pole cut off and placed in position on the base. This structure which I have just described was shown but not claimed in my former patent.

I prefer to provide the securing straps on at least one side of the structure with a joint, so that the strap can be secured before the pole is raised, as already described. The upper end 11^b of one of the straps 11 may be connected with the lower part by a hinge joint 17, which can be of any usual kind, and where such a structure is used the bolts 16 can have nuts on one side countersunk as shown at 18, and when the pole is tipped up to place the bolts will extend through the opposed strap 11 and can be secured by suitable nuts 19. The joint 17 should be practically at the top surface of the pole base 10, and obviously the particular character of the joint is not essential.

Attention is called to the fact that in Fig. 3 the straps 11 are not of the same length and it will be seen that the principle is the same if the several straps are of varying

lengths, and anchored as shown. In fact, by making them of various lengths the strain is of course better distributed.

In the accompanying drawing a form of joint is shown in which the part 11^b is provided with a hook 21 which engages an eye in the lower part 11 of the fastening strap.

It will be noticed that by having the joint 17 on only one side of the structure, the latter is not materially weakened, and if desired the joint can be covered by cement after the pole is erected.

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

1. A pole base of cement, securing straps partially embedded in the cement and having their upper ends extending above the top of the base and apertured, a pole on the base, fastening devices secured to the pole

and having hook-shaped ends adapted to enter the apertures in the straps projecting from the base.

2. A pole base of cement, securing straps partially embedded in the cement and projecting above the base, the said straps having openings near their ends, a pole on the base, straps on the pole overlying the ends of the straps projecting from the base and having hooked ends entering openings in the said straps projecting from the base, and means for clamping the straps connected to the pole in interlocked engagement with the straps projecting from the base.

MAURICE H. MURRAY.

Witnesses:

J. R. DORSEY,

W. F. PHILLIPS.