A. Z. PIERCE.

DETACHABLE POST BASE.

APPLICATION FILED MAR. 12, 1913.

1,131,864. Patented Mar. 16, 1915.

Fig. 1

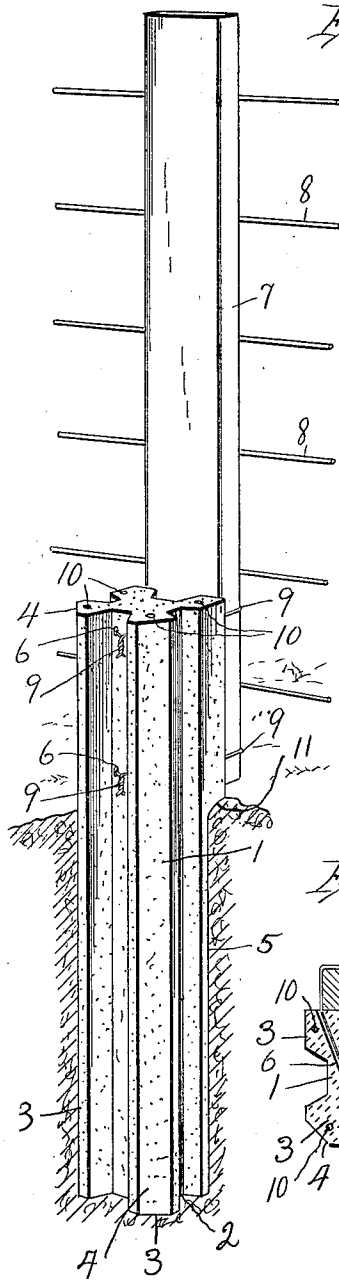


Fig. 2

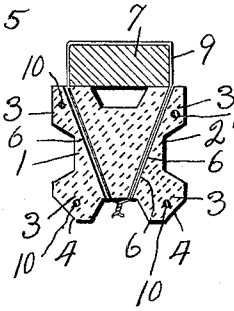


Fig. 3

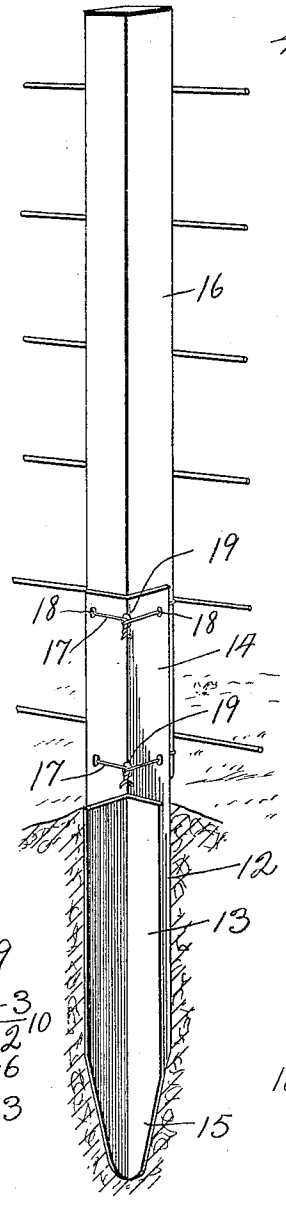


Fig. 4

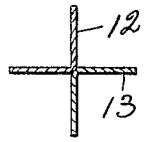
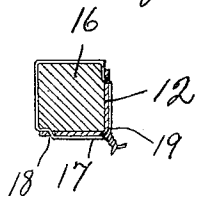


Fig. 5



Witnesses

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DETACHABLE POST-BASE.

1,131,864. Specification of Letters Patent. Patented Mar. 16, 1915.

Application filed March 12, 1913. Serial No. 753,839.

To all whom it may concern:

Be it known that I, ALVIN Z. PIERCE, a citizen of the United States, residing at Woodhull, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Detachable Post-Bases, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in posts and bases therefor and has for its object to provide a post and base which will positively remain in place after being once positioned and effectively carry out the purposes for which the same are designed.

A further object of the invention resides in providing a base of improved design which may be used in connection with posts of various types and a still further object resides in providing a base which, when subjected to the moisture of the earth will not decay, even under continuous use.

A further object of the invention resides in providing a base or stub for the post which is, in itself, of minimum weight, but which will support a post of maximum weight and strength and a still further object resides in so forming the post or stub as to find a secure anchorage in the earth.

Still another object of the invention resides in providing a device which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient in use.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claim.

In the accompanying drawings forming a part of this application, Figure 1 is a perspective view of the preferred form of my device. Fig. 2 is a horizontal section therethrough. Fig. 3 is a perspective view of a slightly modified form of the invention. Fig. 4 is a horizontal section through the lower portion of the same. Fig. 5 is a similar view through the upper portion thereof.

In describing my invention, I shall refer to the drawings in which similar reference characters designate corresponding parts throughout the several views and in which 1 indicates a stub or base of substantial prismatic design and preferably formed of plastic material, such as cement, concrete and the like. The front, rear and side faces of this base or stub are grooved or recessed longitudinally the full length thereof, as shown at 2, the side faces of these grooves or recesses are inclined inwardly toward one another from their front to their rear edges and by so forming these recesses or grooves in the base or stub, the four anchoring ribs or webs 3 are provided on the device. These ribs or webs 3 are arranged successively in planes substantially at right angles to one another and the rear webs or ribs have the faces thereof flattened as shown at 4, and the front ribs are also flattened for a portion of their length as shown at 5.

Formed in the stub or base 1, adjacent the upper portion thereof, are pairs of rearwardly converging channels or slots 6, the slots or channels extending from the front faces of the forward ribs or webs 3 and terminating immediately adjacent one another in the rear wall of the groove or recess in the rear face of said base or stub. In the drawings I have shown two sets of these channels or slots, but it will be understood that as many may be provided as are desired.

A post 7 of any desired shape and size is provided to which may be secured the fence wires 8, but it will be understood that the post may be used for any desired purpose whatsoever, other than that shown in the drawings such as telegraph, telephone and other heavy poles. In order to secure the post to the stub or base 1, the wires 9 are provided which are disposed through the pairs of channels or slots 6 and looped around the lower portion of the post 7. The ends of the wires 9 which are brought to the rear face of the stub or base 1, are twisted about one another tightly as shown in Fig. 1, thereby drawing the wires taut and securing the post to said stub or base.

In order to strengthen the post, I provide reinforcing wires 10, the same extending longitudinally through the webs or ribs 3 of said base. The purpose and effect of said reinforcing means is obvious.

In positioning the device, the base, after having the post secured thereto is disposed in the ground, up to the shoulder indicated at 11, which forms the termination of the flattened portions of the front ribs on said stub or base. The stub from the shoulder to the top thereof is permitted to project

above the ground, thus substantially retaining the post completely above the surface of the ground but securely retaining the same in position. It will be seen, in view of the particular formation of the longitudinal grooves or recesses in the stub or base, the latter will be securely anchored in the ground to securely support the post in position for the use to which it may be put. If desired, bolts and nuts may be used for disposal through other lateral slots or channels to secure the post to the base or stub but wires, as shown, are preferable in that they do not require the formation of holes or the like in the post to secure the latter to the base.

In Figs. 3, 4 and 5, I have shown a slightly modified form of the invention, wherein a base is formed of a metal angular member or a pair of metal angular members 12 and 13, said angular members being riveted, soldered, welded or otherwise similarly secured together at the angular edges thereof, so that each successive rib thereof is disposed at right angles to the other. The angular metal member 12 is of greater length than the member 13 and as these members are brought even at their lower ends, an angular portion 14 extends upwardly from the apparent upper edge of the base or stub, the purpose of which will be hereinafter and more particularly described. The outer edges of the webs or ribs formed by the securing together of the two members are beveled as shown at 15 at their lower edges so as to form a tapered lower portion to be readily entered in the ground, and the faces of the ribs of the member so formed are covered with enamel or other substance to prevent the corrosion of the metal.

The faces of the angular portion 14 which projects from the top of the base or stub are disposed substantially at right angles to one another and are adapted to receive therein the lower portion of a post 16. In order to secure the post in position in this projecting portion 14, a pair of wire members 17 are provided which are looped around this post and disposed through openings 18 in the faces of the portion 14. The ends of the wires are brought together and twisted about one another as in the other form described, to draw the wires taut, thereby securing the post to the stub or base and in order to prevent the movement of the looped and twisted wires, the edge forming the junction of the faces of the member 14, is notched as shown at 19 to receive the wires therein. This will prevent the movement of the wires and thus the post will be securely held to the base or stub against the tension or stress that may be placed thereon.

From the foregoing it will be seen that I have provided a device which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation, and while I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described this invention, what I claim is:—

A post base formed of a pair of elongated angular members secured together at the angular edges thereof to provide a plurality of ribs arranged successively at substantially right angles to one another, the one angular member being of greater length than the other and projecting some distance above the latter and above the surface of the ground when the device is applied to use, the projecting portion of the last mentioned member being provided with perforations in the faces thereof and having notches in the angular end of the same, and means in connection with the perforations and notches in the projecting portions of the last mentioned angular member for securing a post thereto.

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

ALVIN Z. PIERCE.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."