

July 10, 1928.

1,676,679

W. BENSINGER

CONCRETE FENCE POST

Filed Aug. 27, 1923

Fig. 1

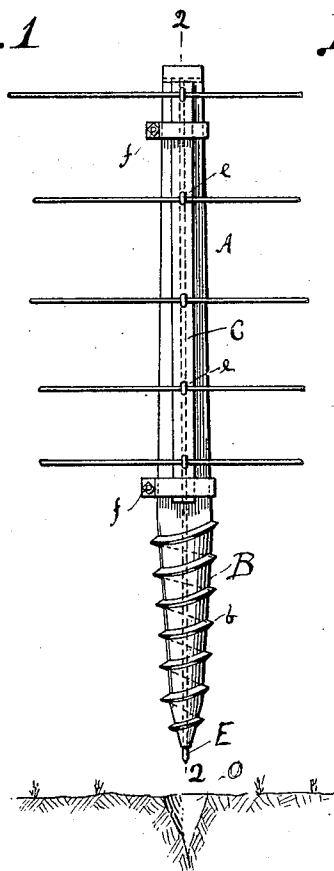


Fig. 2

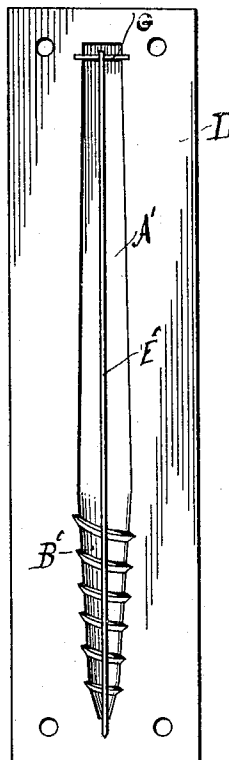
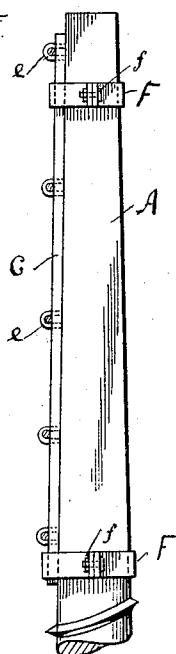


Fig. 3



Inventor.

Wilson Bensinger
By Hiram Swartz, Atty.

UNITED STATES PATENT OFFICE.

WILSON BENSINGER, OF LODI, OHIO.

CONCRETE FENCE POST.

Application filed August 27, 1923. Serial No. 659,542.

My invention relates to improvements in fence posts which are made of concrete material and the like, and in the method of making them; and its primary object is to provide an inexpensive fence post made of ordinary concrete material, in a manner to implant it in the soil by means of a concrete thread upon its sloping lower end also to afford improved means for reinforcing the concrete post longitudinally, and making it penetrate the soil more readily than heretofore and it consists of the structure as hereinafter fully set forth and stated in the appended claim.

My invention is illustrated by the accompanying drawing, in which similar letters and figures of reference indicate like parts.

Referring thereto, Fig. 1 is a face view of a fence post embodying my invention: Fig. 2 is longitudinal section of a flask for casting or molding the material for the post, including the prepared and shaped cavity in which it is formed; and Fig. 3 is a detail view of the upper portion of the fence post on a side elevation.

In the drawings, A is the upper portion of my improved fence post, and B, the lower or threaded part thereof, which tapers to a point; and C is a longitudinal strip, preferably of wood, which is secured along one side of the upper portion of the post by means of the bands F F, the ends thereof being drawn together by bolts f, or other suitable fasteners. If desired the bands may be made of wire wound around the post and strip in a well known manner. To this vertical wooden strip the usual wires for the fence may be attached by metal clips as e e, in the usual way of fastening fence wires, but no claim is made by me herein to such fastenings or to said strips. E is a reinforcing rod of metal terminating in a point slightly beyond the lower end of the post, and extending thru the longitudinal center of the post, as shown by the dotted line 2-2, Fig. 1, but not necessarily to the top of the post, it being desirable that this rod should not be exposed to the weather, and such re-enforcement is not necessary near the top of the post.

To construct this post, I prepare a casting

flask D, of any suitable material, but preferably of cast iron, having a longitudinal cavity therein, A', adapted to form the post from end to end, including the threaded portion, B', the flask being made of two equal parts, (only one of which need be shown in the drawings, as in Fig. 2) and these parts are adapted to be secured one upon the other in the usual way of casting, leaving a suitable opening at the top of the flask for pouring therein concrete in liquid or semi-liquid condition. To re-enforce the concrete in the formation of the post, I locate a metal rod E' in the hollow of the flask and along its longitudinal center, by placing the sharpened end thereof in a cavity slightly beyond the lower end of the cavity B', and the upper end of the rod, upon a support G, so that the rod will be held at the longitudinal center of the concrete cavity while the concrete mixture is being poured into the mold of the flask. As soon as the concrete mixture hardens, the post may be removed from the flask and is ready for having the wooden strip C attached thereto as aforesaid. Thus the size and taper of the post may be suited to such needs as may be, and the incline of the spiral threads b may be varied to suit the character of the soil. Having thus completed the manufacture of the post, it may be readily driven into the soil part way by percussion and then by rotation therein by means of any suitable cant-hook or the like implement, and its introduction into the soil may be facilitated by first making a slight depression therein by means of a crow-bar or the like, as shown at O, in Fig. 1. By the means aforesaid a very simple and efficient and inexpensive post may be constructed of lasting material, with a strong re-enforcing rod embedded therein centrally lengthwise, having a pointed terminus a short distance beyond the concrete point as aforesaid, and its size and shape may be varied to meet varying soil conditions. I am aware it is not new to construct concrete posts having one or more re-enforcing rods embedded therein longitudinally, and that molds have been made with means for holding such rods in

position rigidly while filling in the concrete, and also that concrete posts having a spirally threaded subsoil portion have been heretofore used, and such I do not broadly claim.

5 No claim is made herein to the particular method of construction shown in Figs. 2 and 3 of the drawing, but it is set forth to enable any person skilled in the art with which the invention is most nearly connected to make
10 and construct the same.

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

A concrete post comprising in combination and above soil portion; a subsoil portion 15 tapering to a point at its lower end, a spiral thread on said tapered surface, and a metal rod embedded at the longitudinal center of both portions, said rod projecting beyond the spiral thread terminus to penetrate the 20 soil in advance thereof, substantially as set forth.

In witness whereof, I hereunto set my hand this 11th day of July, A. D. 1923.

WILSON BENSINGER.