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N. A. OCHILTREE

2,029,439

FENCE POST

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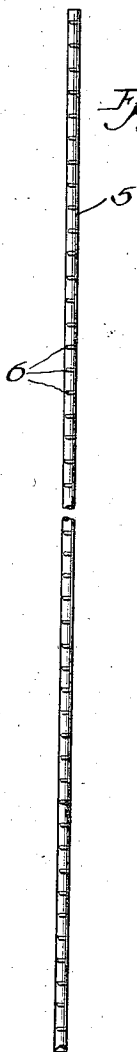


Fig. 1.

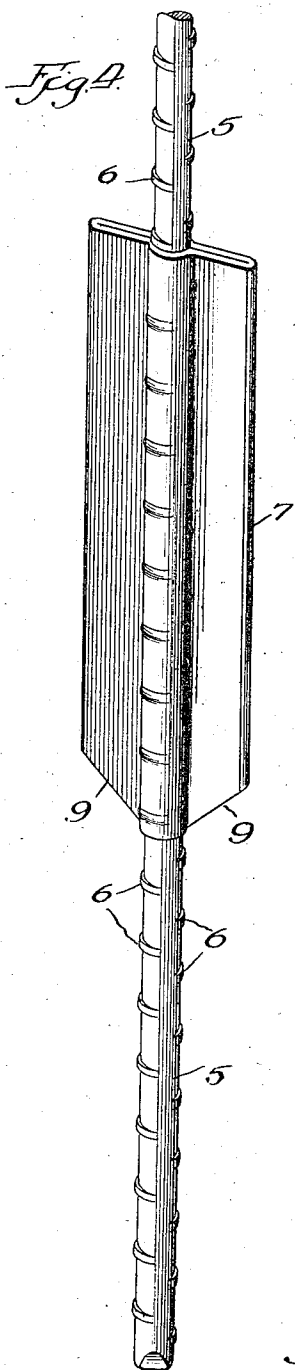


Fig. 4.

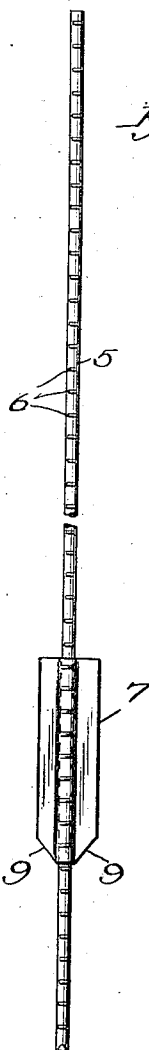


Fig. 3.

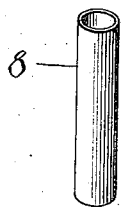


Fig. 2.

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UNITED STATES PATENT OFFICE

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FENCE POST

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2 Claims. (Cl. 189—29)

This invention relates to fence posts and more particularly to metal fence posts adapted to be driven into the ground.

One of the purposes of this invention is to provide a post of the character indicated which will be strong and durable and which will embody in its structure a post body having provisions for preventing the fence tie wires from slipping longitudinally thereof and an anchor securely locked to the body so as to be rigid therewith and form a lateral extension thereof.

Another purpose of the invention is to provide a post which will be devoid of rivets or other structurally independent fastening means for securing the anchor and post body together and one which will be economical to manufacture.

A further object of my invention is the provision of a novel method for constructing and assembling my improved post.

Other objects and many of the inherent advantages of this invention will be readily appreciated from the following description when considered in connection with the accompanying drawing.

Referring to the drawing,

Fig. 1 is a side elevation of the bar or member which is corrugated to form the body of the post;

Fig. 2 is a perspective view of the cylinder or tubular member which provides the post anchor;

Fig. 3 is a side elevation of the completed post; and

Fig. 4 is a fragmentary perspective view of the lower portion of the post with the anchor applied.

Referring now to the drawing more in detail, reference character 5 indicates generally the post body which is formed from a metal bar or rod which is shown for illustrative purposes as being cylindrical in form, although it may be of any other suitable cross sectional shape. This bar of the requisite length is provided with external projections which are here illustrated as being in the form of outwardly projecting ribs 6 extending partially around the body and arranged in two series, the individual ribs in one series being disposed in staggered relation with respect to the ribs of the other series. It should be understood, however, that these outward projections may assume other shapes or forms such as annular rings or ribs extending entirely around the body or one or more series of spiral ribs.

These ribs or projections in whatever form

serve on that portion of the post projecting above the ground to prevent the fence tie wires from becoming displaced longitudinally of the post. These projections near the lower end of the post serve likewise to hold the post anchor against displacement on the post.

The anchor designated generally by reference character 7 is formed from a length of cylindrical metal tubing indicated at 8 in Fig. 2 which is slipped over the lower end of the post and then transversely flattened by forging or otherwise into the form shown in Fig. 4. The tube thus flattened firmly embraces and grips at its central portion the post around which it is disposed, and after sufficient pressure is applied in the assembly the metal of the anchor will be displaced to accommodate the ribs 6 of the post body and will interlock with these ribs so as to firmly and rigidly lock the anchor and post body together. Either before or after assembly the lower edges of the anchor are chamfered off as indicated at 9 to facilitate the entrance of the post and anchor into the ground.

In the manufacture of the fence post embodying my invention the bar or rod 5 is first provided with transversely extending ribs or projections and is cut to the desired length. The cylindrical anchor lengths 8 are cut to the required lengths from tubing or piping whereupon the lower end of each post body is projected through its respective tube length 8 until this length is disposed the requisite distance from the bottom end of the post. The tubular section is then by a forging, swedging, or similar operation flattened and tightly compressed around the post body so that its central portion snugly embraces the body and interfits with the ribs projecting therefrom to rigidly lock the section to the body. The entire piece of tubing is simultaneously flattened to its extremities so that it projects laterally on both sides of the body providing wings which prevent the post from rotating in the ground and firmly anchor it against tipping. The lower end of the post body may be chamfered off or otherwise pointed if desired to facilitate its entrance into the ground.

The details of construction illustrated and described may obviously be varied within considerable limits without departing from the essence of the invention as defined in the following claims.

I claim:

1. A metal fence post comprising a post body provided with lateral projections and an anchor rigidly secured thereto consisting of a metal cylinder surrounding said body and transversely flat-

tened to provide a central tubular part in snug gripping relation with said body and lateral double walled wings.

5 2. A metal fence post comprising a post body consisting of a rod provided with transverse corrugations and a tubular member surrounding said

body and secured thereto by being flattened into interlocking relation therewith, said tubular member comprising a tubular part embracing the rod and a double walled laterally projecting wing portion.

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