May 4, 1954 M. D. EIDE ET AL 2,677,529

FENCE POST WITH ELECTRIC FENCE WIRE ATTACHING MEANS

Filed Nov. 8, 1951

Fig. 1

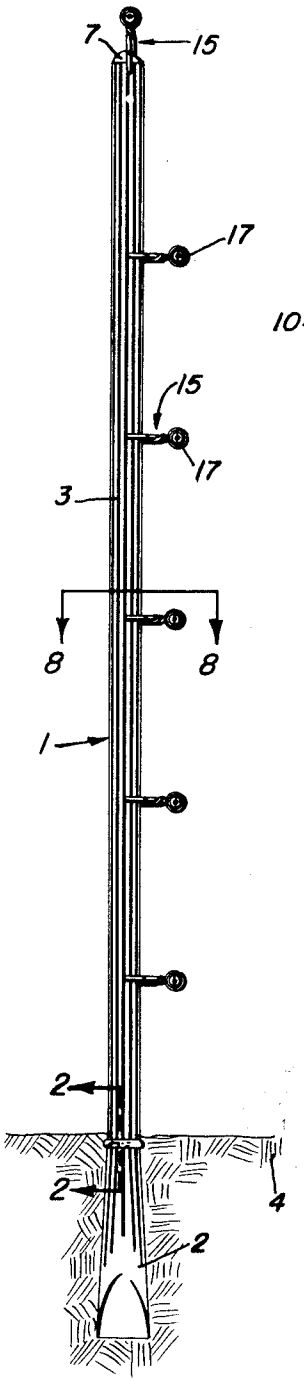


Fig. 8

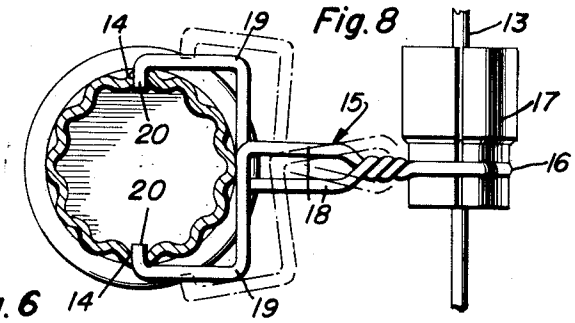


Fig. 6

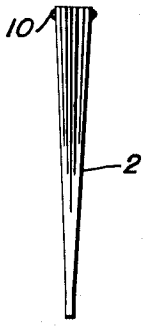


Fig. 7

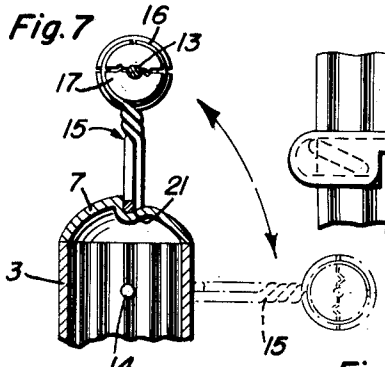


Fig. 4

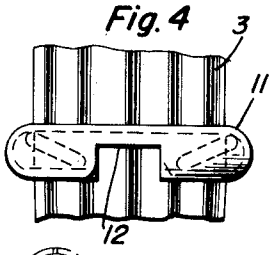


Fig. 2

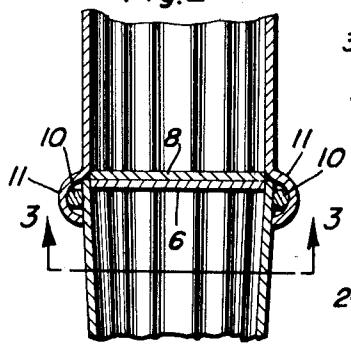


Fig. 5

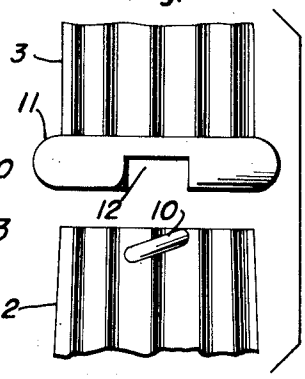
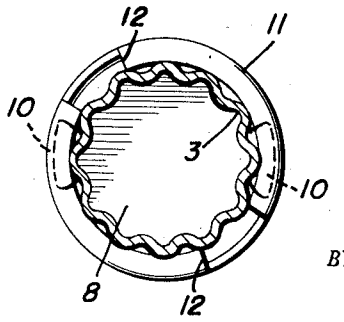


Fig. 3



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FENCE POST WITH ELECTRIC FENCE WIRE ATTACHING MEANS

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2 Claims. (Cl. 256—10)

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Our invention relates to improvements in fence posts for wire fencing, especially electrically charged fence wire.

By way of previse, permanent wire fences, especially on farms, prevent mowing and planting for a substantial distance on each side of the fence line, and are usually flanked by a solid bed of weeds which spread unless laboriously cut with a sickle, or the like, all of which presents a serious problem on farms particularly with long lines of such fencing.

Having the foregoing in mind, the primary object of my invention is to provide a practical, durable fence post constructed with a wire supporting section removable and replaceable at will and with wire insulation and attaching means easily and quickly detached and replaced for facilitating removal of the removable section and replacement thereof.

Other objects, subordinate to the above, together with the precise nature of our improvements will be readily understood when the following description and claims are read with reference to the drawing accompanying and forming part of this specification.

In said drawing:

Figure 1 is a view in side elevation, partly in vertical section, illustrating our improved fence post in the preferred embodiment thereof;

Figure 2 is an enlarged, fragmentary view in vertical section taken on the line 2—2 of Figure 1;

Figure 3 is a view in transverse section taken on the line 3—3 of Figure 2;

Figure 4 is a fragmentary, enlarged view illustrating the coupling means between the base section and the removable section of the fence post;

Figure 5 is a composite enlarged, fragmentary view illustrating the coupling means uncoupled;

Figure 6 is a view in front elevation of the base section;

Figure 7 is an enlarged, fragmentary view in vertical section of the upper end portion of the removable section, and

Figure 8 is an enlarged view in transverse section taken on the line 8—8 of Figure 1.

Referring to the drawing by numerals, the fence post of our invention, designated as a unit by the numeral 1, is formed hollow, and of suitable metal, preferably steel, with longitudinal corrugations, as shown, and comprises, as its main components, a base section 2 and a removable section 3.

The base section 2, which is relatively shorter than said section 3, is adapted to be anchored permanently in the ground 4, with its upper end

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6 closed and substantially level with the ground 4 and is provided with downwardly flaring sides for permanently anchoring the sections in the ground, said section 2 being tapered downwardly between said sides to facilitate entering the same in the ground 4.

The removable section 3 which is of the usual length of fence posts above ground is provided with a dome-shaped upper end 7 and a bottom forming closure plate 8 is secured to its lower end and adapted to rest on the upper end 6 of the base section 2.

Coupling means removably coupling the lower end of the removable section 3 to the base section 2 is provided as follows: The base section 2 is formed at its upper end with a pair of diametrically opposite, circumferential key lugs 10 of arcuate shape longitudinally and inclining from the horizontal at an angle suitable for a purpose presently clear. The removable section 3 is formed at its lower end with a depending, annular, circumferential flange 11 of internally channeled form, said flange being preferably arcuate in cross section. A pair of diametrically opposite bottom notches 12 in said flange 11 provides for fitting of said flange over the lugs 10 so that by rotating the removable section 3, the lugs 10 may be positioned inside and engage with the flange 11 to couple said sections 3 and 2 together.

In connection with the lugs 10, because of the described inclination, or angle thereof, said lugs are adapted to engage with said flange 11 to cam the flange downwardly and tightly seat the closure plate 8, and hence the bottom of the removable section 3, on the base section 2. As will be seen, the lugs 10 and channelled flange 11 form interlocking coupling devices, on said sections respectively which may be unlocked by rotating the section 3 to register the notches 12 with the lugs 10 so that the section 3 may be uncoupled and removed from the base section 2. The described lugs 10 are countersunk into the ground 4 and the top 6 is flush with the ground 4 so as not to interfere with mowing over the base section 2.

Means are provided for detachably attaching fence wires 13 to the removable section 3 comprising the following: Vertically spaced pairs of apertures 14 are provided in opposite sides of the removable section 3, and wire insulation carrying clips 15 for interlocking with the pairs of apertures 14. Each clip 15 is formed of resilient wire and twisted intermediate its ends to form a split loop 16 in which a conventional split insu-

lator 17 is suitably fixed, and a pair of legs 18 terminating in a pair of right angled oppositely extending jaws 19 with lateral end nubs 20 fitting in a pair of the apertures 14. The legs 18 are laterally spaced and jaws 19 crossed and extended from the legs 18 oppositely, relatively, so that by flexing the legs 18 toward each other the jaws 19 may be separated, as shown in dotted lines in Figure 8, for placing in straddling relation to the removable section 3 so that upon release of the legs 18 the jaws 19 will react toward each other for entering the nubs 20 in a selected pair of apertures 14. When the clips are so interlocked with the removable section 3 the jaws 19 are adapted to engage the front of the removable section 3 to maintain said clips in horizontal position, with the exeception presently noted. As will be seen, by separating the jaws 19 of the clips 13, said clips may be detached from the removable section 3, or post 1 together with the insulators 16 for detaching the wires 13. The uppermost pair of apertures 14 are spaced from the upper end of said removable section 3 and said end is formed with a top arcuate groove 21 therein so that the uppermost clip 15 may be swung from horizontal into vertical position, or vice versa, as shown in full lines and dotted lines in Figure 7 to increase or reduce the height of the fence as desired, and with the jaws 19 snapping into the groove 21 to maintain said uppermost clips in vertical upstanding position relative to said section 3.

As will now be seen, with the fence post of our invention, the wires 13 may be easily detached from the removable section 3, and said section 3 uncoupled and removed from the base section 2 so that a fence line may be cleared by mowing, and/or cultivated for planting as desired, after which the section 3 may be replaced by coupling to the base section 2 and the wires 13 replaced by reattaching the clips 15.

As will also be seen, the clips 15 are interchangeable and may be used in selected numbers, as desired.

The foregoing will, it is believed, suffice to impart a clear understanding of our invention, without further explanation.

Manifestly, the invention, as described, is susceptible of modification, without departing from the inventive concept, and right is hereby reserved to such modifications as fall within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A fence post for embedding partway in the ground, a resilient fence wire attaching clip including a pair of jaws straddling said post adjacent the upper end thereof, and having right angled nubs thereon pivotally attached to the post for swinging of said clip from a horizontal position into an upright position and coacting means on said jaws and said end of the post interlocking with a snap action to maintain said clip in upright position.

2. A fence post according to claim 1 wherein said means comprises a top groove in said post seating said jaws.

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