Sept. 1, 1936. J. KUNDERT 2,052,774

PORTABLE WIRE FENCE

Filed March 2, 1935

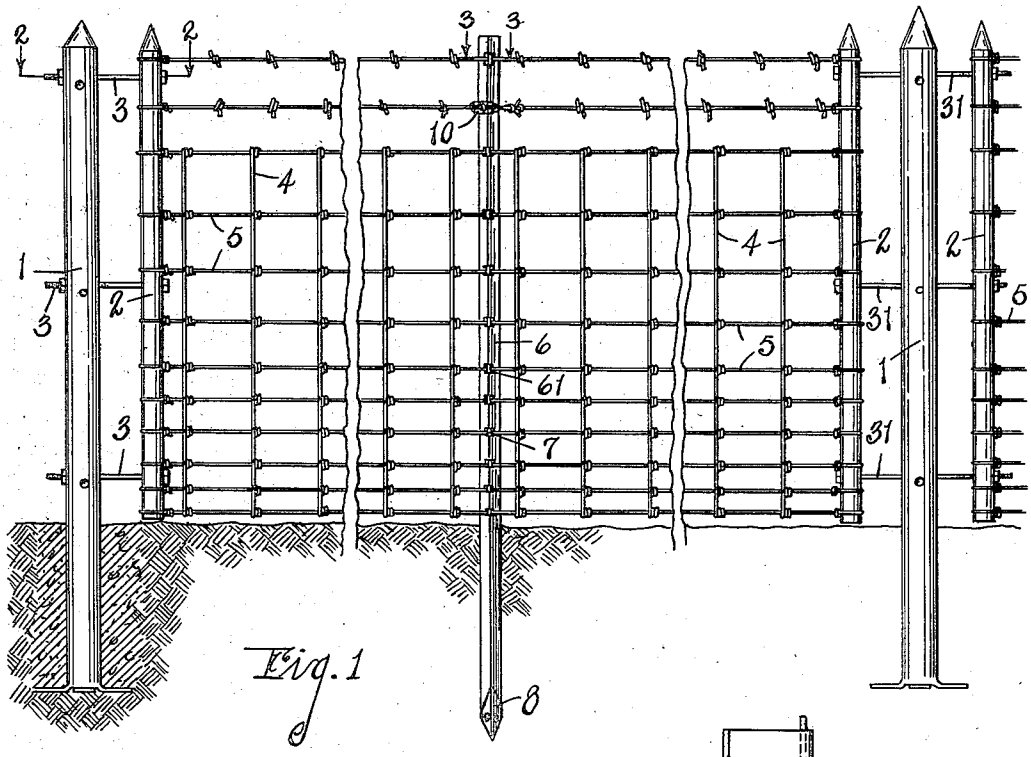

Fig. 1

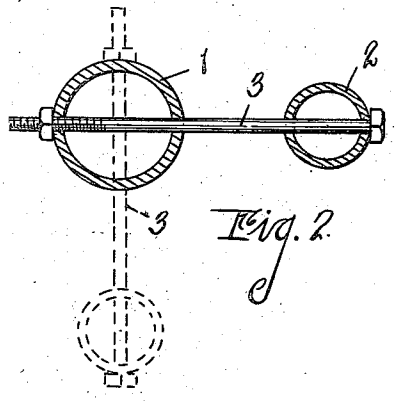

Fig. 2

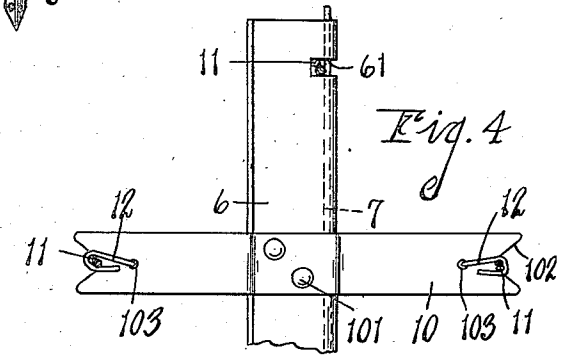

Fig. 4

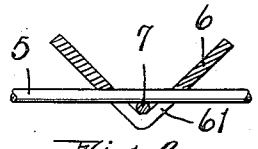

Fig. 3

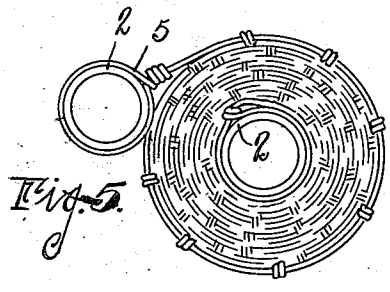

Fig. 5

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PORTABLE WIRE FENCE

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3 Claims. (Cl. 256—32)

This invention relates to improvements in portable wire fence.

The main objects of the invention are:

First, to provide improved post and means for supporting the sections of portable fence so that the same may be readily rolled up without injury to the web of the fence.

Second, to provide such a fence with improved line post structure from which the fence may be readily attached and detached without deformation of the strands of fence.

Objects pertaining to details of the structure will appear from the description to follow.

A preferred embodiment of my invention is illustrated in the accompanying drawing forming a part of the specification, in which:

Fig. 1 is an elevation view of a fence shown in broken sections, the braces for the end posts being omitted.

Fig. 2 is an enlarged detail sectional view on line 2—2 of Fig. 1, the detachable post or bar for a cross fence being shown in dotted lines.

Fig. 3 is an enlarged detail sectional view through the upper part of one of the line posts on line 3—3 of Fig. 1 showing a detail for retaining the strand of the fence in position on such line post.

Fig. 4 is an enlarged detail elevation view of the line post showing the cross arm for carrying the barbed wire and a special hook guard on the upper end of such line post to prevent the climbing of the fence.

Fig. 5 is a detail end view of a roll of the fence body or web after it has been detached from the posts for storage or transportation.

The parts will be referred to by their numerals of reference which are the same in all views.

1 is the main post or end post of the fence to which the detachable end bars are secured. These are preferably tubular posts of metal and in use are braced or stayed in any well-known manner, the illustration of which I have omitted because my invention does not pertain to the bracing of the posts. These posts are usually of four-inch diameter of iron or steel pipe flanged at the bottom or set in concrete, or both, as desired.

2 are the detachable end bars preferably made of two-inch pipe, preferably capped as are also the main posts 1. 3 are the cross adjusting bolts which connect the detachable bars to the end posts of the fence. There is a bolt at top and bottom and one or more intermediate for the best results, with screw-threaded nuts or burrs on the sides of the end posts for taking up slack and adjusting the fence after it has been installed.

4 is a web of plain wire fence forming the bottom portion of the fence. The longitudinal strands 5 of the fence are wrapped about the bars 2 which, being round and of considerable diameter, serve as the centers of the rolls on which the fence 4 can be rolled up readily without any undue kinking, as seen in Fig. 5.

6 is a line post, one only being illustrated. These line posts are placed in the line of fence at intervals of from one to two rods to secure the best results. The posts 6 are of angle metal and are cross slotted at 61 to receive the longitudinal strands of any description. The strands of fence are retained in place by inserting a lock rod or wire 7 downwardly through the angle of the post and within and in engagement with the fence strands, as seen in detail in Fig. 3.

10 is a cross arm for supporting barbed wire 11, which is bolted by one or more bolts 101 to the upper portion of the line post 6. The outer ends are notched at 102 to receive the strands of barbed wire. These strands of barbed wire 11 are stretched along the top of the fence and secured detachably at their ends by a loop near the top of the detachable end bars or posts 2 and rest in the notches 102 in the ends of the arms 10.

The wires are detachably retained by the hook members 12 which are doubled like hairpins and inserted through perforations 103 in the said arms 10. The ends of the hook members are simply hooked around the barbed wire strand and, being of wire, may be readily bent outward when it is desired to detach the wires when removing the fence. The top barbed wire is secured to the line post by the same means as any other fence strand and is removable when the rod or retainer wire 7 is drawn upwardly out of engagement.

At the right hand of Fig. 1, I have shown the end post as adapted to a meeting of detachable fence sections and the bolts 31 are illustrated as extending entirely through the post 1, securing the detachable bars at each side, thus by simply using a longer bolt the portable sections of fence are readily attached and removed.

While it is a great convenience to make use of the line posts, I have illustrated, which support the fence flat after detachment, in this particular relation, other detachable line posts would be available without this advantage. The barbed wire strands may be omitted or may be used with any kind of fence desired.

In removing and transporting my improved

fence, the bolts 3 are released and removed and the looped ends of the barbed wires are slipped off from the top of bars 2. The retaining wires 7 are then withdrawn, releasing the top barbed wire, and the web of fence at the bottom of the line posts. The web of fence is then still supported flat and can be rolled up into form indicated in Fig. 5. The barbed wires 11 can be released by undoing the fastening hooks 12 at the ends of the cross arms 10, and the barbed wires can be coiled up separately. The cross arms 10 may be unbolted or not, as desired, the structure being very compact and the posts being capable of being nested, whether the arms are removed or not. Of course, the barbed wires might be detached and taken out of the way before rolling the web.

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

1. A fence comprising an end post with detachable cross bolts therethrough, a cylindrical detachable end bar retained in position on the end post by said cross bolts, a web of wire fencing with the longitudinal strands wrapped around said cylindrical detachable end bar and adapted to roll thereon, an angle-shaped line post with lateral notches through the angles to detachably support the strands of the web of wire fencing, and a removable lock rod disposed in the angle of said line post for engagement with the said strands to retain them detachably in position and to permit the ready rolling of the web of fencing therefrom.

2. A fence comprising an end post with detachable cross bolts therethrough, a cylindrical detachable end bar retained in position on the end post by said cross bolts, a web of wire fencing with the longitudinal strands wrapped around said cylindrical detachable end bar and adapted to roll thereon, and line posts with means to detachably support the strands of the web of wire fencing to permit the ready rolling of the web of fencing.

3. A fence comprising in combination an end post support, a cylindrical detachable end bar with means for attaching it to said post, a web of wire fencing with longitudinal strands wrapped around said cylindrical end bar and adapted to roll thereon, intermediate line posts, and means for detachably securing the strands of the web of wire fencing to said line posts.

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