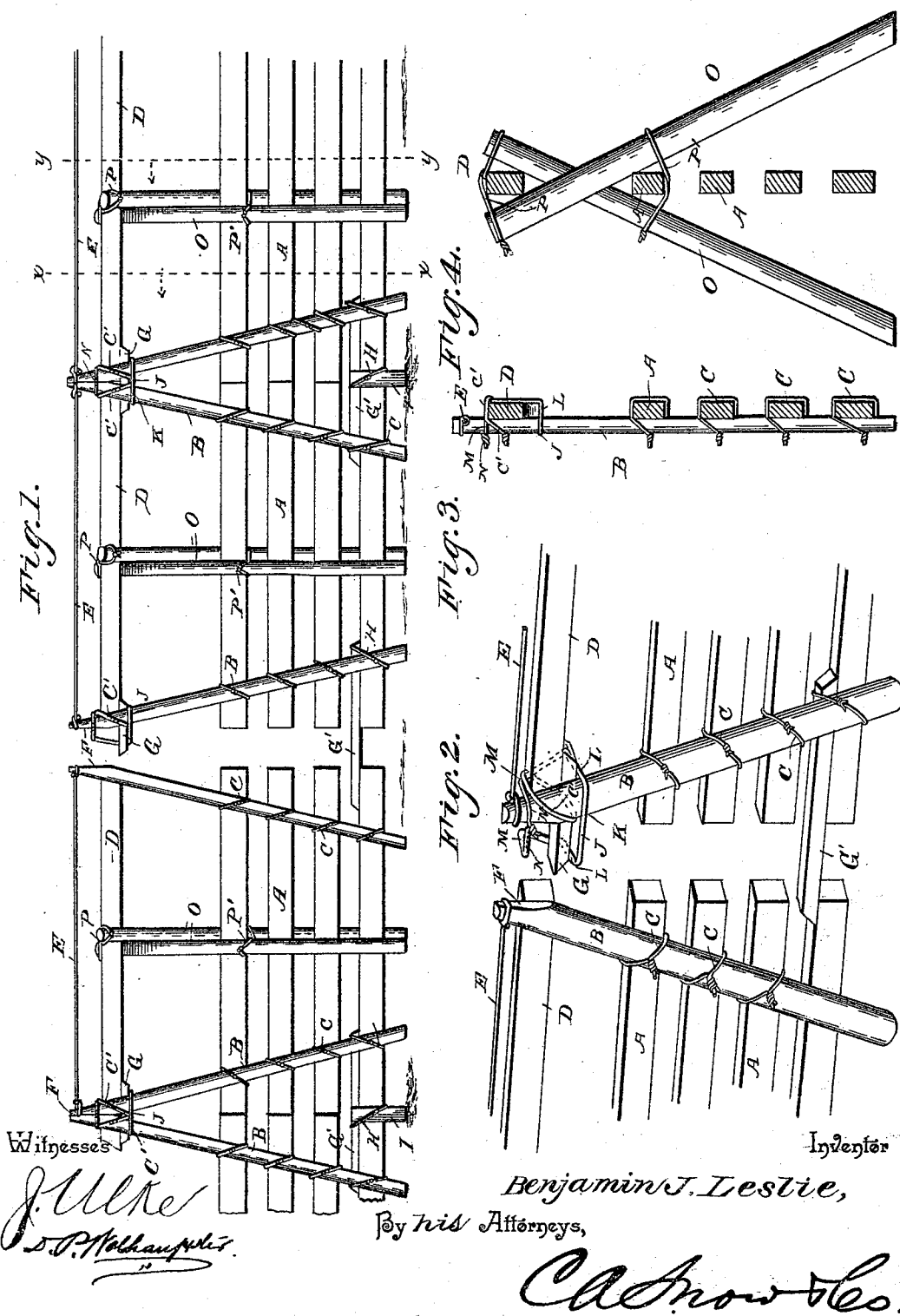


(No Model.)

B. J. LESLIE.
PORTABLE FENCE.

No. 518,039.

Patented Apr. 10, 1894.



UNITED STATES PATENT OFFICE.

BENJAMIN J. LESLIE, OF BUTLER, KENTUCKY.

PORTABLE FENCE.

SPECIFICATION forming part of Letters Patent No. 518,039, dated April 10, 1894.

Application filed April 7, 1893. Serial No. 469,388. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN J. LESLIE, a citizen of the United States, residing at Butler, in the county of Pendleton and State of Kentucky, have invented a new and useful Portable Fence, of which the following is a specification.

This invention relates to portable fences; and it has for its object to provide certain improvements in fences of this character whereby the same shall have exceptional strength and durability, while at the same time being capable of being readily separated into separate panels so that it can be easily moved and again set up.

To this end the main and primary objects of the present invention are to provide an improvement in portable fences, to secure a greater economy in the material employed in setting up the fence, while at the same time providing a fence having all necessary qualifications.

With these and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings:—Figure 1 is a front view of a fence constructed in accordance with this invention, showing one of the panels slightly separated from the rest of the fence. Fig. 2 is an enlarged perspective view illustrating the abutting ends of adjacent panels slightly separated. Fig. 3 is a detail sectional view on the line $x-x$ of Fig. 1. Fig. 4 is a similar view on the line $y-y$ of Fig. 1.

Referring to the accompanying drawings, A represents the horizontal rails of each panel which are designed to be removably connected together in order to complete a portable fence having the characteristics noted, and the rails A, may be arranged one above the other in any suitable number according to the height at which the fence is to stand. The several panel rails A, may be formed out of any convenient material, and have their opposite ends rest flat against one side of the inclined end posts B. The inclined end posts B, are arranged at each end of each panel, and are disposed at an incline so that their lower ends slant toward the center of the panel,

in order to provide for a rigid bracing of each panel by means of its end posts, and the rails are bound firmly and fixedly to such posts by means of the rail wires C, which are illustrated as embracing the rails at an angle and bound around the front of the end posts. It will be observed that the rail wires C, around one end post of a panel are disposed reversely to the corresponding wires around the other end post, and thus a firm bracing of each panel is secured, so that there will be no sagging or canting of the rails comprising the same. Each panel of the fence is completed by means of separate rider rails D, which are arranged a suitable distance above the top rails of the panels, and have their ends bound to the inclined end posts by means of the wires C', corresponding in disposition and attachment to the rail wires C. The inclined end posts B, of each panel, have their upper extremities extended above the riders D, and are connected by the top wires E, looped at their ends over such projecting ends of the end posts, so that each panel has its own top wire, and when the several panels are aligned together, the top wires align to form a continuous unbroken line of wiring at the top, which not only serves to add strength to the structure but also increases the height of the fence. The said upper extremities of the inclined end posts B, are flattened at one side as at F, so as to evenly abut with the corresponding flattened end of the adjacent end post of the adjacent panel.

Each of the panels which are constructed as above described, are adapted to be brought in alignment with each other in setting up the fence, so that the ends of the main and rider rails have their ends abut and in a direct line with each other, to provide a continuous unbroken fence without any overlapping whatever, which is of disadvantage in fence construction owing to the increased quantity of material necessary, as well as producing unsightly connections. The aligning and abutting fence panels are securely bound together at the top and bottom by the upper and lower splice bars G and G', respectively. The upper splice bars G, are placed under the aligning riders D, at their abutting ends and are firmly bound in position by means of the wires C', which embrace the rider rails and

the posts B, and the lower splice bars G', are held in position on top of the lowermost rails, at the joints, by means of the wires C, which bind the lower ends of the end posts to the lowermost rails. An anchor wire H, also embraces the lower splice bars G', at a point intermediate of their ends, and the upper ends of the anchor stakes I, which are driven firmly into the ground at this point so that the anchoring of the fence will be at the joining of the panels, thereby securing a rigid bracing of the fence to the ground.

Although the splice bars G and G', are employed to connect the abutting ends of the fence panels and keep the same in alignment with each other, I employ a main locking wire J, to securely and firmly lock the abutting end posts together so as to firmly connect the fence panels, which can be easily separated from each other without the removal of this wire. The main locking wire J, is passed transversely across and in front of the abutting end posts at K, and then has its opposite portions L, passed under the opposite ends of the upper splice bars G, as shown. The wire J, is then brought entirely around and over the top of the riders as at M, and again to the front of the abutting posts B, as at N, at which point the extremities of said locking wires are twisted together. It will be seen by reference to the disposition of the main locking wire J, that the upper abutting ends of the adjacent end posts B, are not only firmly bound together, but the ends of the rider rails are also additionally bound or secured to the end posts. By loosening the fastenings for one end of the upper and lower splice bars, and the anchor fastening, the panels can be readily separated from each other as clearly shown in the drawings, thus providing a fence which can be readily transported from place to place.

Each fence panel is firmly braced in an upright position on the ground by means of the intermediate crossed stakes O. The stakes O, are diagonally arranged and intersect each other between the rider rails and the uppermost rail of the panel, so that the rider rails rest in the top crotch of such stakes. Crossed

binding wires P, are looped over the ends of the stakes O, and are passed across the top of the riders, and corresponding wires P', connect the stakes below their point of intersection and are passed under the upper rails of the panels. This provides a construction which securely binds the cross-stakes O, firmly to each other and to the riders and upper rails of each panel.

From the foregoing it is thought that the construction and advantages of the herein-described fence will be apparent without further description.

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

1. In a portable fence, the separable panels having horizontal rails adapted to align and abut with the rails of the adjacent panels, the inclined end posts arranged at each end of each panel at one side of the same and having upper flattened projecting ends adapted to abut with the adjacent post end of the adjacent panel, rail wires binding the horizontal rails to one side of said end posts, and splice bars bound to the abutting rail ends by said rail wires, substantially as set forth.

2. In a portable fence, the separable fence panels having inclined end posts arranged at each end and one side of the same, said inclined end posts having upper projecting ends adapted to abut flat against the post ends of the adjacent panels, removable splice bars bound to the aligned fence panels at the joints thereof, and the main locking wires J, passed transversely across and in front of the upper abutting ends of the inclined end posts, thence under and around the upper splice bars and the rider rails of the panel, and finally returned and fastened at the front of the said abutting ends of the fence posts, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

BENJAMIN J. LESLIE.

Witnesses:

ROBERT L. PARSELL,
ASA H. GRAY.