

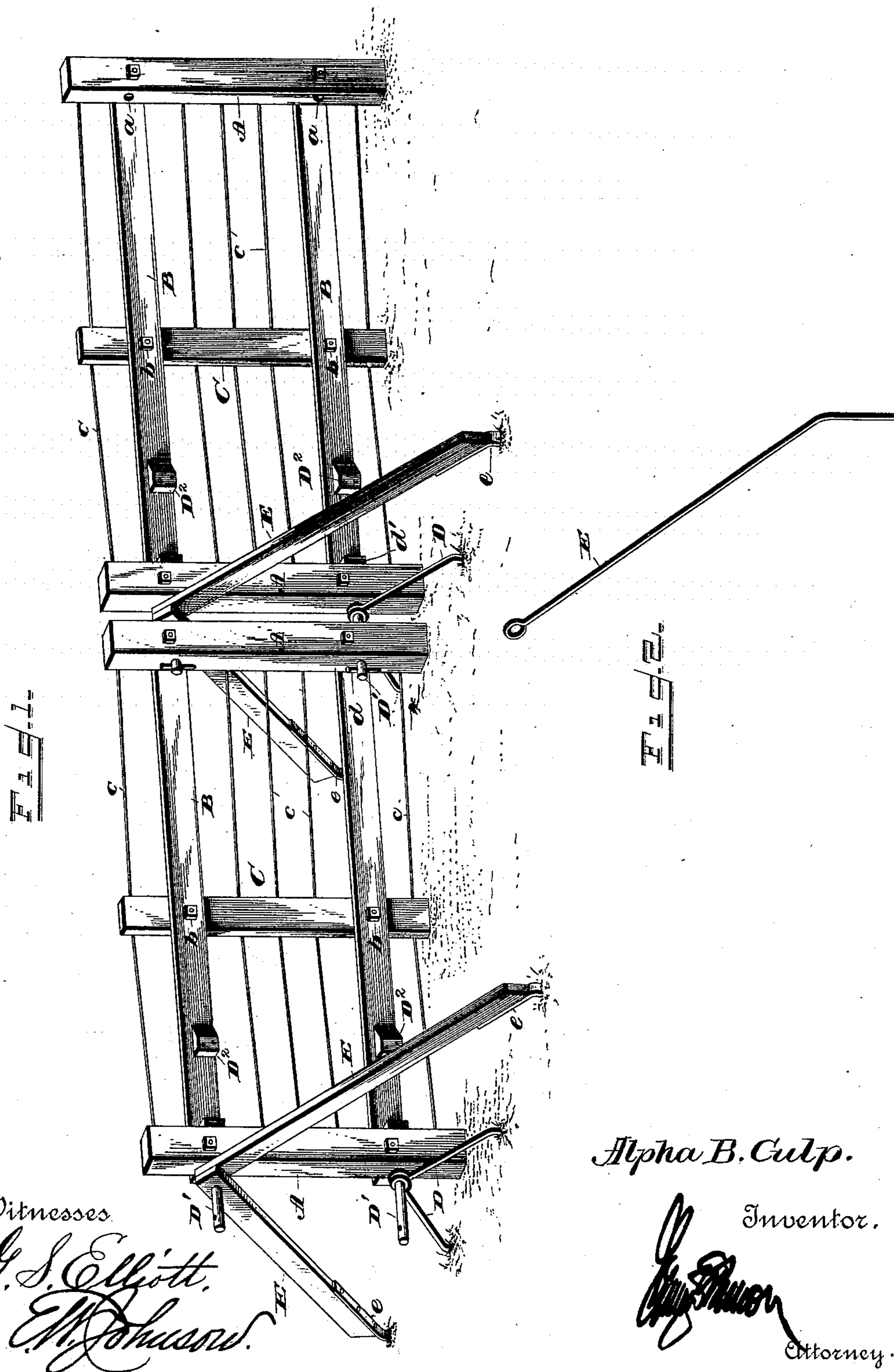
(No Model.)

A. B. CULP.

FENCE.

No. 384,564.

Patented June 12, 1888.



Witnesses

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FENCE.

SPECIFICATION forming part of Letters Patent No. 384,564, dated June 12, 1888.

Application filed January 12, 1888. Serial No. 260,521. (No model.)

To all whom it may concern:

Be it known that I, ALPHA B. CULP, a citizen of the United States of America, residing at Wakarusa, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Fences; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to knockdown panels for portable fences and to fences constructed therewith.

The object of the invention is to so arrange the fence-panels relatively that they may be set up in constructing a fence in true vertical position by the labor of one man irrespective of the nature of the ground.

A further object of the invention is to construct the fence-panels of straight vertical and horizontal pieces connected by bolt and nut, whereby they may be readily taken apart and packed in a small compass for transportation or storage.

With these objects in view, the invention consists in novel features of construction and combination, to be hereinafter particularly described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a section of fence embodying my improvements. Fig. 2 is a detail perspective view of a modified form of one of the brace-rods.

The fence-panels are constructed of vertical end posts, A A', connected by horizontal boards B B', removably secured at their ends by bolts and nuts b b' to the posts A A' near their upper and lower ends, as shown.

Midway between the posts A A', I secure a vertical strip, C, to the outer face of the horizontal boards B B' by removable bolts b b', and to the outer faces of the end posts a vertical series of horizontal wires or runners, c, which cross the outer face of the vertical strip C. In practice the wires c may be stretched and secured to the posts A A' before the strip C is positioned, the insertion of this strip between the outer faces of the horizontal boards

B B' and the wires serving to further tighten the latter. The posts A A' are respectively provided at points opposite the horizontal boards B B' with horizontal bolt-holes a a', cut parallel with the inner faces of said boards, sliding bolts D' being permanently seated in the holes a of post A when the parts of the panel are assembled in position for use. These bolts are provided at the inner end with a head, d, having at least one flat edge surface to rest in contact with the inner face of the boards B B' and prevent the rotation of the bolt, and at the outer end with a slot or aperture, d², cut parallel with the flat edge of the head for the reception of a headed or tapered nail or pin, d. Stop-blocks D² are secured to the inner faces of the horizontal boards B B' at points distant from the posts A equal to the length of the bolts D less the thickness of said post, the purpose of these stops being to prevent the withdrawal of the bolts from the bolt-holes a, thus preventing their loss through carelessness or accident when the parts of the panel are in position for use. In setting up these panels to construct a fence the first panel may be supported in a vertical position and the upper bolt, D', slid through the eyes e, formed in the upper ends of brace-rods E, the lower bent ends of said braces resting on the ground at opposite sides of the post A and giving sufficient stability to the panel to permit of the work progressing; or, if preferred, the lower bent ends of the braces may be driven firmly into the ground. The lower bolt, D', is now passed through the eyes at the upper ends of the lower short braces, D, (which may be in all respects except length similar to the upper braces, E,) and the contact of the lower bent ends of these braces D will hold the lower end of post steady. The second panel may now rest flat on the ground with its post A' adjacent to the post A of the panel just raised, when by lifting the lower end of this second panel slightly the lower bolt, D', can be passed through the lower bolt-hole, a', of said post A'. The upper end of this second panel can now be raised, turning on the lower bolt, D', as a pivot, until the upper bolt-hole, a', is opposite the upper bolt, D', when the latter can be slid forward, thus securing the second panel in a vertical position. The braces E and D can

now be applied to the other end of the second panel, and so on until the fence is completed. To suspend the lower ends of the fence-posts free from the ground, it is only necessary to
5 move the lower bent ends of the braces E nearer together before driving them into the ground, and when this is done it insures an exact vertical position to the fence-posts as they swing on the upper bolt, D', as a pivot
10 until the lower braces are driven in.

Owing to the fact that when the nuts *b'* are loosened slightly the bolts *b* become pivot-bolts, it is evident that my improved fence-panels are applicable equally to the inclosure
15 of even or uneven ground, as the horizontal boards B B' of one panel may be arranged at an angle with those of the next panel, it only being necessary that the bolt-holes of adjacent end posts be aligned to permit the passage of
20 the bolts D' through them.

In some instances it is desirable to permit of the passage of small stock—such as sheep or hogs—through a fence, but to exclude larger stock one of the panels may be left free at the

bottom, being supported by and swinging upon 25 the upper bolts, D', and when necessary one of the panels may be quickly and easily removed to admit of the passage of wagons or stock where there is no gate.

I claim—

A portable fence composed, substantially as 30 before set forth, of a series of panels consisting of horizontal boards, vertical end posts, A A', having horizontal bolt-holes opposite said boards, sliding headed bolts seated in holes of 35 posts A, stops secured to the boards at a distance from post A less than the length of the bolts to prevent the removal thereof, and upper and lower brace-rods interposed between the panels and secured at their upper ends by 40 the bolts which connect adjacent panels.

In testimony whereof I affix my signature in presence of two witnesses.

ALPHA B. CULP.

Witnesses:

MITCHELL CHARNLEY,

ISAAC A. SIMMONS.