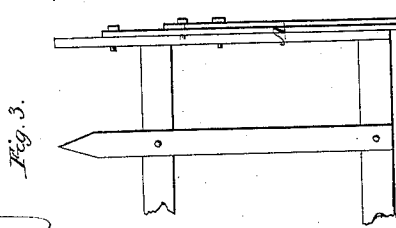
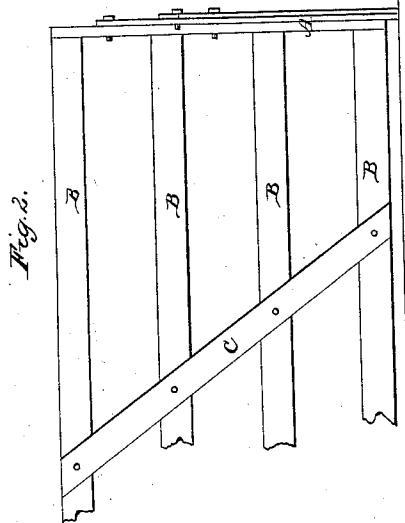
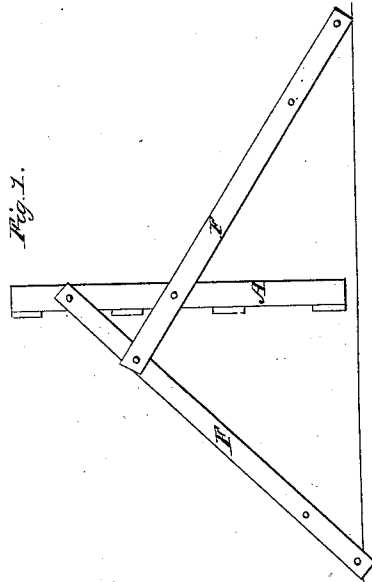


G. S. Carlisle,
Portable Fence,

Nº 57,672.

Patented Sep. 4, 1866.



Witnesses

R. C. Brown

J. B. Compton

Inventor
G. S. Carlisle
By [Signature]

UNITED STATES PATENT OFFICE.

GEORGE S. CARLISLE, OF COLUMBUS CITY, IOWA.

IMPROVEMENT IN PORTABLE FENCES.

Specification forming part of Letters Patent No. 57,672, dated September 4, 1866.

To all whom it may concern:

Be it known that I, GEORGE S. CARLISLE, of Columbus City, in the county of Louisa and State of Iowa, have invented a new and Improved Portable Fence; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an end view of a panel with my improved braces attached. Fig. 2 is a side view of a segment of the same. Fig. 3 is a portion of a panel of picket-fence with my improved braces attached.

My invention consists in attaching braces to each other and to the ends of the adjacent panels of fence in the manner hereinafter described, for the purpose of firmly sustaining the fence, and at the same time enabling said fence to be readily removed and again set up in any desired situation.

A are the end posts or battens of the panels of fence. Said posts or battens will vary in their dimensions according to the length of the panels, the height of the fence, and the material of which it is constructed. To these posts or battens A are attached, in the usual way, the boards, bars, or rails which form the panels.

C is a brace or strengthening-piece, which may be applied to the panel to strengthen it when necessary.

D are the pickets, and E the bars to which they are nailed or otherwise attached. The bars E are secured to the end posts or battens, A, in the usual way.

In the drawings the fence is represented as being four feet high and the length of panel eight feet.

F are braces, which are attached to each other and to the end posts or battens, A, of the panels of fence in the manner hereinafter described, and may be made of boards, rails, or scantlings, according as the necessities of each particular case may require—that is to say, they must be of such a material and size as the nature of fence and its weight may render necessary. In the drawings they are represented as being pieces of boards five feet long.

Four holes are made in each one of the braces F. Two of these holes are, respectively, three and twelve inches from one end of the brace F, and the other two, respectively, three and fifteen inches from the other end of the same brace. Two holes are also made in the end posts, A, of each panel, respectively nine and twenty-four inches from the top of each post.

The fence is set up by pinning the end hole of that end of the brace F in which the two holes are, respectively, three and fifteen inches from the end of the brace to the upper hole of one of the end posts, A, or between the upper holes of the end posts of two adjacent panels, as the case may be. The end hole of that end of the brace F in which the holes are three and twelve inches, respectively, from the end of the brace is then pinned to the second hole in the upper end of the first brace, and the second hole in the upper end of the second brace is then pinned to the second hole of the end post or batten, A, as represented in the drawings, or between the posts of two adjacent panels.

The object of making four holes in each of the braces is simply convenience, as by this means any two braces taken at random will go together and form a pair, care being taken to use the ends of the braces in which the holes are at unequal distances apart.

A fence of the dimensions represented in the drawings may be put together with wooden pins three-quarters of an inch in diameter, or with iron bolts one-half inch in diameter.

In a fence of the dimensions described, and with the pin-holes in the respective positions indicated, the bottom board or rail of the panels will not touch the ground; but by varying the distance apart of the holes in the braces or in the end posts of the panels the bottom board or rail of the panels may be brought close to the ground or raised to any required distance therefrom.

By lengthening the braces F and increasing the distance apart of the holes in the braces or in the end posts the fence will be more firmly supported.

Among the advantages of my invention are the readiness with which the fence can be put up or taken down, moved, and put up again, the saving of material in construction, and the

ease with which an injured portion can be removed, repaired, and replaced, or its place supplied by a new panel, as may be advisable.

I claim as new and desire to secure by Letters Patent—

The arrangement of the braces FF and end posts, A, relatively to each other, and operat-

ing in the manner and for the purpose herein described.

GEO. S. CARLISLE.

Witnesses:

WM. NEAL,

JAMES GOBLE.