

A. TODD.
PORTABLE FENCE.

No. 172,834.

Patented Feb. 1, 1876.

Fig. 1.

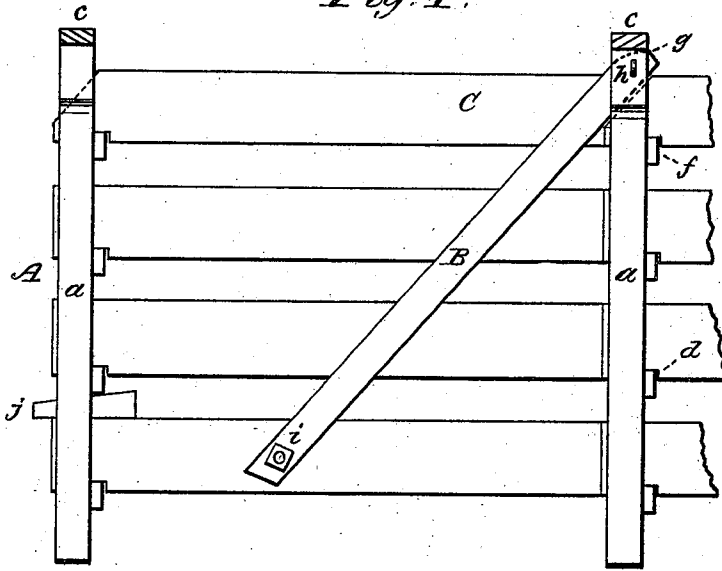
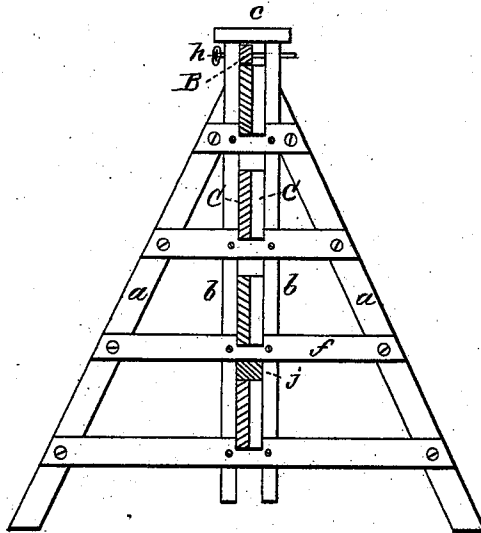


Fig. 2.



WITNESSES
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN PORTABLE FENCES.

Specification forming part of Letters Patent No. 172,834, dated February 1, 1876; application filed December 18, 1875.

To all whom it may concern:

Be it known that I, ABRAHAM TODD, of Constantia, in the county of Oswego and State of New York, have invented a new and valuable Improvement in Portable Fence; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view of my improved portable fence. Fig. 2 is an end view of the same.

This invention has relation to portable fences; and its object is to produce a fence of the character named, that may be readily placed together in a rigid and firm manner, and at the same time admit of each part being disconnected for packing and transportation, and also greatly economizing in the timber used in their manufacture, thereby producing a fence at a greatly-reduced cost over those now in use, the peculiar construction and arrangement of parts being hereinafter described, and subsequently pointed out in the claim.

In the accompanying drawings, A represents the frame for supporting the slats or nails, consisting of the inclined braces *a* cut to a miter at their upper ends and secured to vertical central posts *b*, the same being placed at sufficient distance apart to allow the insertion of the ends of the slats or nails, and project above the mitered ends of the inclined braces *a*. To the upper ends of these posts *b* is secured a cross-piece, *c*, forming a bearing for the eccentric end of a diagonal brace, B. The slats C have notches *d* cut in their ends to snugly fit over the cross-pieces *f* secured one above the other, and at suitable distances apart to the braces *a*. The diagonal brace B, as will be seen, is formed with an eccentric end, *g*, and is held between the vertical posts *b* by a pin or bolt, *h*, the lower end being held firmly against the side of the lower slat by a bolt and nut, *i*. To more securely hold the lower slat in its proper relative position a key or wedge, *j*, is employed, the same being

inserted between the upper edge of the slat and one of the cross-pieces *f*.

In setting up the fence the frames A are first placed in a vertical position, when the ends of one of the slats are inserted between the vertical posts *b*, the notches of said slat fitting over the lower batten. The upper slat is secured to the frame in like manner, after which the intermediate slats may be readily placed in position. To firmly and rigidly secure the upper and lower slats in position, as well as brace the intermediate ones, the eccentric end *g* of the diagonal brace B is inserted in the space between the vertical post *b*, the upper slat of each adjoining section or panel of the fence being beveled at one of its ends, as shown at *k*, to allow the brace to bind upon it when held in place by the bolt or pin *h*. The lower end is brought down against the side of the lower slat, when it is secured thereto by the bolt and nut *i*, the upper eccentric end *g* bearing upon the under side of the cross-piece *c*, and forming a leverage, thereby making a perfectly-rigid connection between the upper and lower slats. After or before the diagonal brace B has been thus connected a wedge or key, *j*, is driven with its smallest end through the space above the end of the lower slat and between the vertical posts, giving additional security to the slat from becoming loose, and holding it more permanently in place.

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

In combination with the top and bottom notched slats or rails C, of adjoining panels, and the frames A, constructed as described, of the diagonal brace B, formed with an eccentric end, *g*, and connected to the lower slat, which is secured in place by wedge *j*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ABRAHAM TODD.

Witnesses:

GEO. W. BEEBE,
CHAS. E. DAKIN.