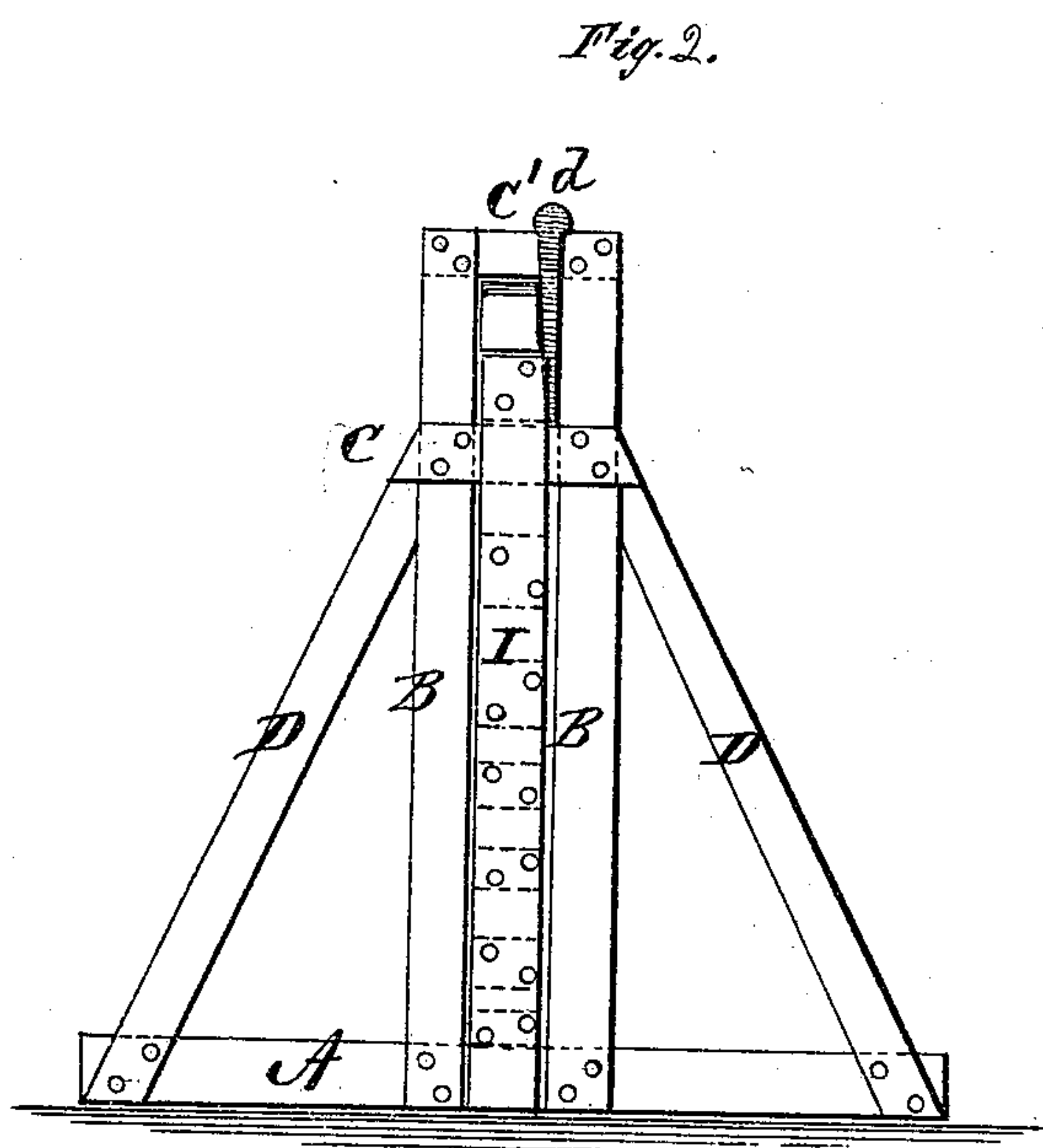
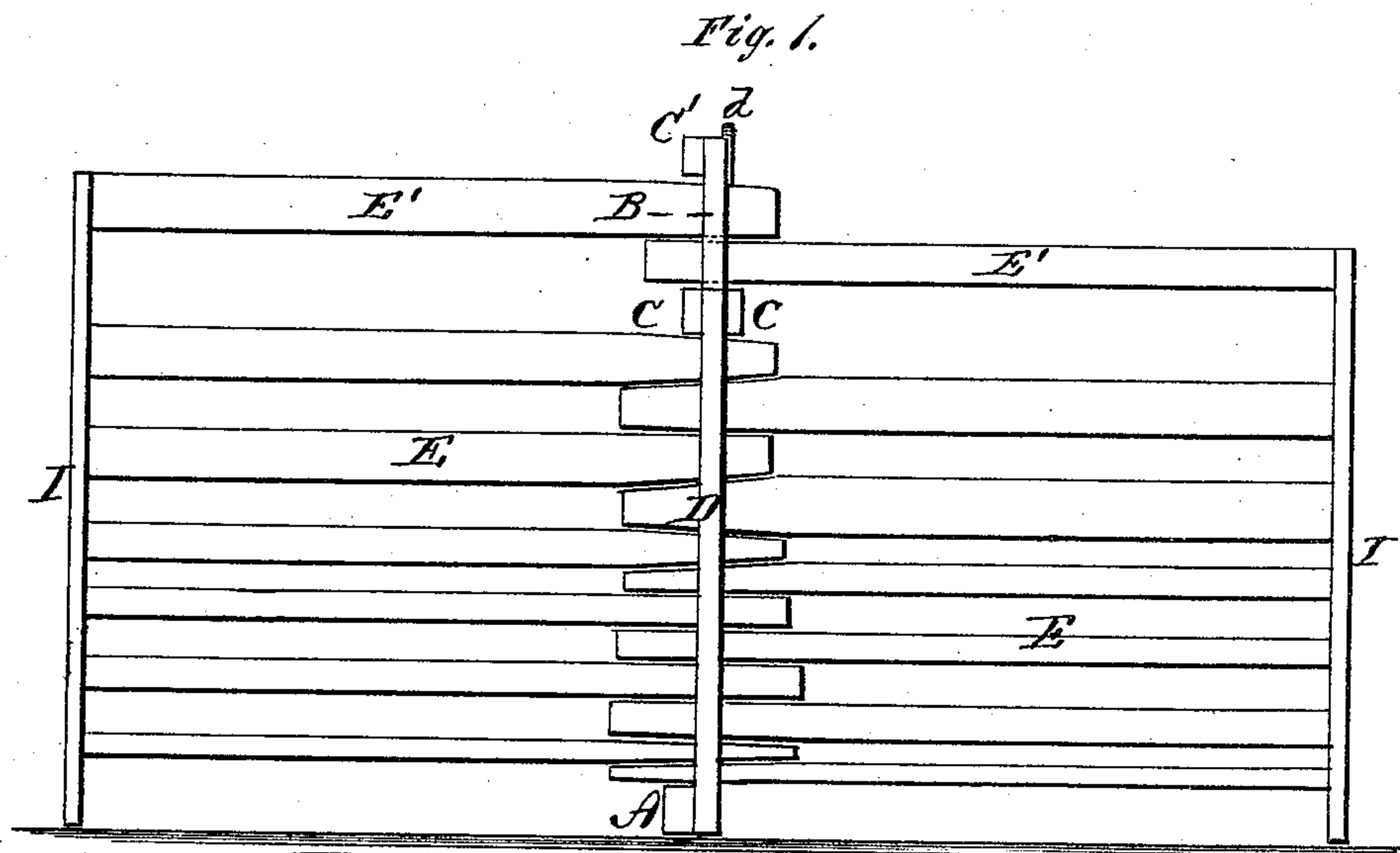


T. W. OWENS.  
Portable Fences.

No. 151,616.

Patented June 2, 1874.



Witnesses.

P. C. Dieterich.

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# UNITED STATES PATENT OFFICE.

THOMAS W. OWENS, OF GRANVILLE, OHIO.

## IMPROVEMENT IN PORTABLE FENCES.

Specification forming part of Letters Patent No. **151,616**, dated June 2, 1874; application filed November 24, 1873.

*To all whom it may concern:*

Be it known that I, THOMAS W. OWENS, of Granville, in the county of Licking and State of Ohio, have invented certain new and useful Improvements in Fences; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a rail-and-post fence, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of a fence-panel, and Fig. 2 is an end view of the same.

The posts which I use in the construction of my fence are each composed of a sill-piece, A, having two upright parallel posts, B B, near the center, and placed such a distance apart that the rails forming the panels will just fit between them. The uprights B B are connected at the top by a cross-bar, C', and a short distance below the same by a cross-bar, C, on each side. These latter cross-bars C C project beyond the uprights, and between their ends on each side is fastened the upper end of a brace, D, the lower end of which is secured to the sill A near the end.

I am fully aware that a fence-post has been constructed substantially in the same manner as above described; hence I lay no specific claim to the same only in so far as it forms a necessary element in the combination of my fence.

Each fence-panel is constructed of two series of horizontal rails, E E, one end of each series of rails being secured to an upright or

batten, I. The other ends of the rails of each series are beveled or wedge-shaped, and inserted alternately from opposite sides between the uprights B B, and filling the space between the sill A and cross-bars C C. The top rail E' of each series enters the space between said cross-bars and the top cross-bar C'. *d* represents a wedge or wedge-shaped pin inserted between one of the uprights B and the rails E' E', to hold said rails tight in the fence-post. As the timber shrinks by exposure to the weather, this wedge or wedge-shaped pin *d* settles down, and thus automatically tightens the rails in the post.

The rails E E may be kept tight in the same manner. The end battens or uprights I I of adjoining panels may be fastened together by bolts or any other suitable means.

In turning corners, the loose ends of the two series of rails E E of my panel are inserted alternately at an angle from the same side of the fence-post; and in like manner a worm or zigzag fence may be put up.

By this construction of fence it can be easily and quickly put up and taken down when desired.

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

The fence-panel described, consisting of two series of horizontal rails, E E, having their outer ends secured to the battens or uprights I I, as described, and their inner ends inserted in the fence-post A B C D, substantially as and for the purposes herein set forth.

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

THOS. W. OWENS.

Witnesses:

C. B. FANLEY,  
A. V. GEST.