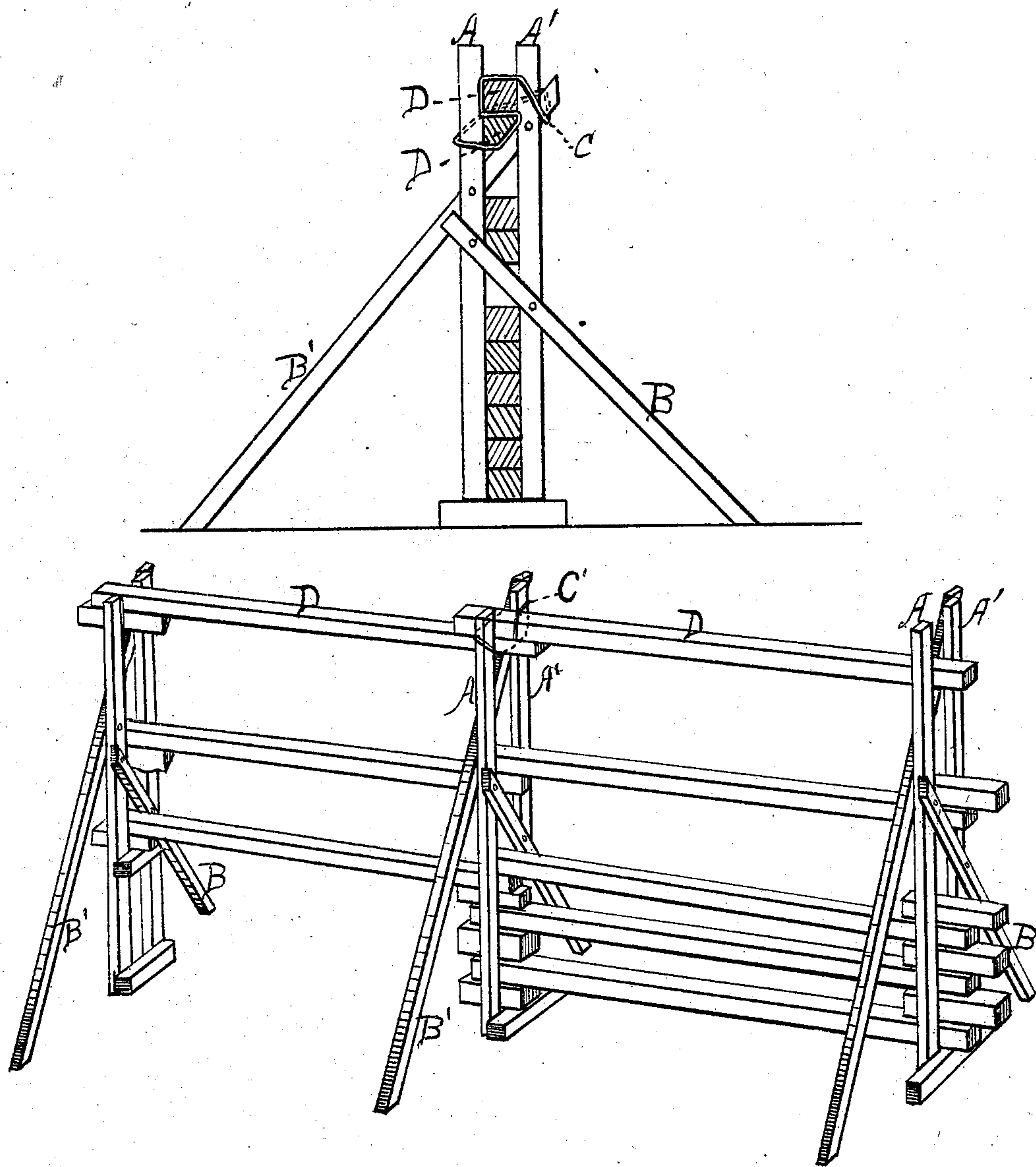


A. W. OLDS.

Fences.

No. 150,600.

Patented May 5, 1874.



Witnesses  
Mary Orth  
Jas. J. Stollender Jr

Inventor  
Alonso W. Olds  
by H. H. Doubleday  
att'y.

# UNITED STATES PATENT OFFICE.

ALONZO W. OLDS, OF GREEN OAK STATION, MICHIGAN.

## IMPROVEMENT IN FENCES.

Specification forming part of Letters Patent No. **150,600**, dated May 5, 1874; application filed February 14, 1874.

*To all whom it may concern:*

Be it known that I, ALONZO W. OLDS, of Green Oak Station, in the county of Livingston and State of Michigan, 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 pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification, and which represents two sections or panels of the fence, with one end of one of the upper rails upon the ground, the opposite end being in proper position for receiving the binding-wire, as will be fully explained.

The invention is designed as an improvement upon the fence patented by me March 26, 1867; and consists in a novel manner of applying a binding-wire in combination with the posts, upper rails, and long brace.

A A' are the posts, secured to each other by a cleat, *a*, at their lower ends. B is a short brace, usually placed between the second and third rails from the top; and B' is a longer brace, placed between the first and second rails, counting from the top, the construction, so far as yet described, being like that shown in my former patent above referred to; but there is this difference between the two: In my earlier fence the posts A and A' were widest apart at the top, and the largest rails were at the top, while in this new fence the posts are widest apart at the bottom, the smallest rails being at the top. C is a wire band or loop, applied to the upper rails D, posts A A', and braces B', the path or location of the wire being shown partly in full lines and partly in dotted ones. Where it is

desired to fence against cattle only, I may omit two or more of the lower rails, using a cleat, *a'*, secured to the posts at a suitable height to support the upper rails, as shown at the left end of the drawing.

In erecting this fence, I prefer to nail the cleats before the rails are put in, and nail the upper ends of the braces, or, at least, of the long one, before applying the binding-wire, and then, as the free end of the upper rail is being brought to place, a few blows with a heavy hammer or an ax upon the second rails, counting from the top, and upon the lower ends of the braces, will bring all of the parts closely together, where they will be firmly held by the wire clamp.

I do not claim, broadly, the combination, with the posts and rails, of a wire clamp or binder, as that is admitted to be old; but I consider the construction and arrangement which I have shown to be an improvement upon anything heretofore devised for securing the posts, rails, and braces in their proper relation to each other, the long brace B' being made to serve as a lever to crowd the upper rails down upon the short brace B.

Having thus described my invention, what I claim is—

The combination of the posts A A', braces B B', rails D, and wire loop or binder C, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of January, 1874.

ALONZO W. OLDS.

Witnesses:

ROBT. W. OLDS,  
SARAH C. PARKER.