

No. 630,175.

D. W. BROMLEY.

Patented Aug. 1, 1899.

WIRE FENCE.

(Application filed Apr 28, 1899.)

(No Model.)

Fig. 1.

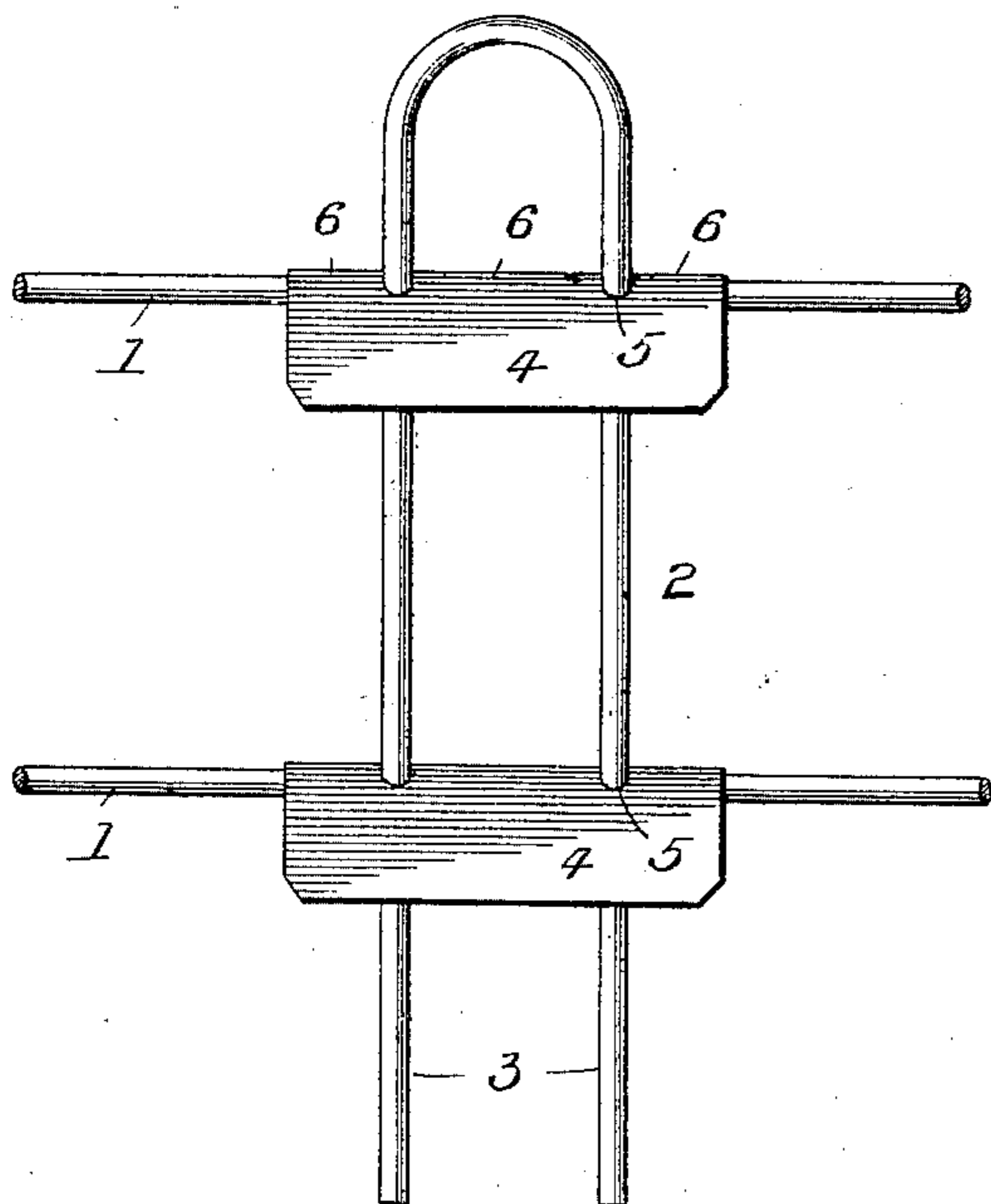


Fig. 2.

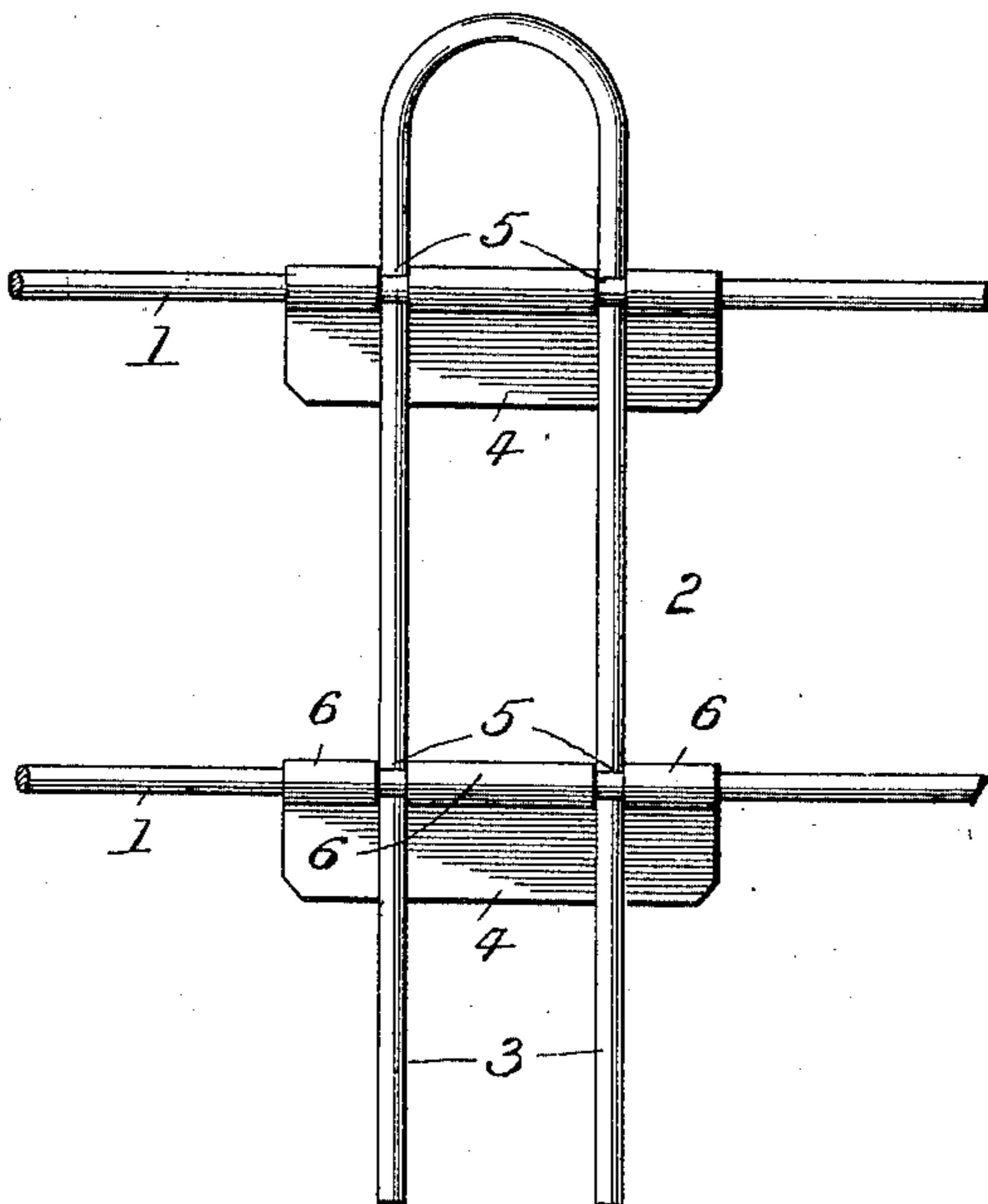


Fig. 3.

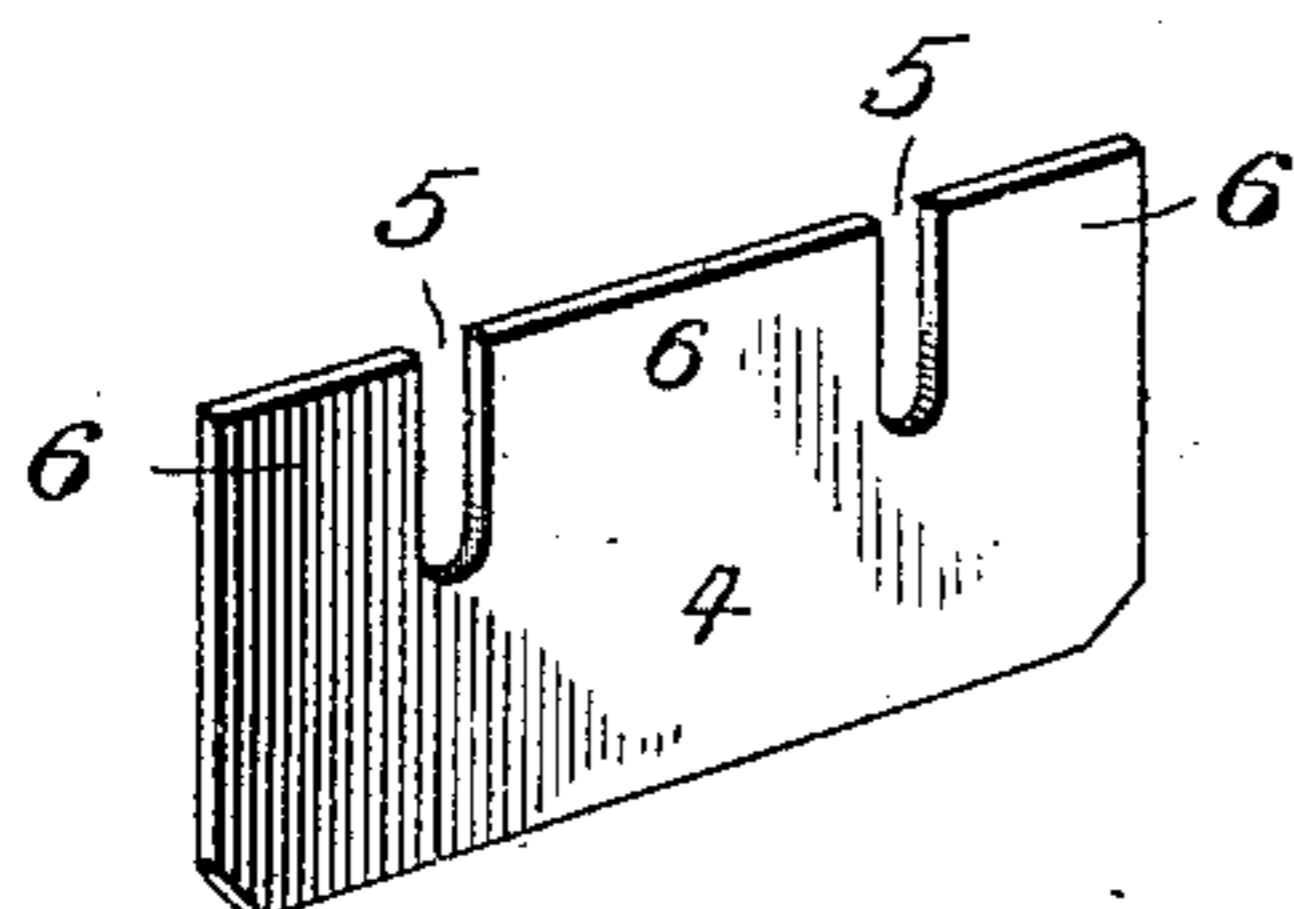
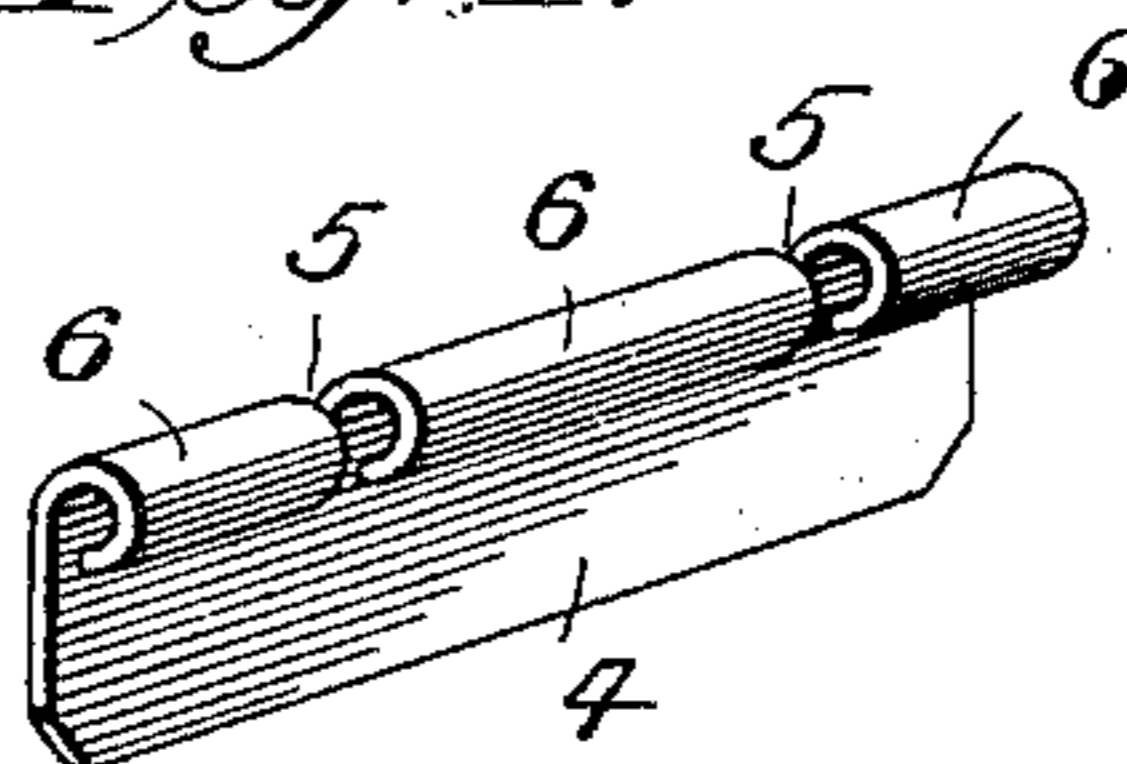


Fig. 4.



Witnesses  
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# UNITED STATES PATENT OFFICE.

DANIEL W. BROMLEY, OF WILMORE, KENTUCKY.

## WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 630,175, dated August 1, 1899.

Application filed April 28, 1899. Serial No. 714,866. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL W. BROMLEY, a citizen of the United States, residing at Wilmore, in the county of Jessamine and State of Kentucky, have invented new and useful Improvements in Wire Fences, of which the following is a specification.

My present invention relates to improvements in wire fences, and more particularly to that type of fence wherein horizontal line-wires are provided and combined with vertically-arranged wire stays, said stays being securely held to the line-wires by suitable clips or clamps, and it is the clip or clamp that constitutes the essential feature of the present invention.

It is the prime object of the present invention to provide a simple and improved form of sheet-metal clip or clamp constructed and arranged to embrace the line-wires and stay-wires in such manner as to securely retain the said stay-wires in position.

It is a further purpose of the invention to provide a novel form of clip or clamp that can be quickly and readily applied in position and which will be comparatively inexpensive in manufacture.

In order to enable others to understand and practice my invention, I will proceed to describe the same in detail, reference being had for this purpose to the accompanying drawings, wherein—

Figure 1 is a front view of a portion of a fence constructed in accordance with my invention. Fig. 2 is a similar view looking at the rear of the fence. Fig. 3 is a perspective view of a blank forming one of my improved clips or clamps before the same is applied to the fence. Fig. 4 is a similar view of the clip or clamp bent into the shape it will assume when applied to the fence.

Referring now to the drawings, the reference-numeral 1 indicates the horizontal line-wires, of which there may be two, three, or more, as desired. Secured at suitable distances apart along said line-wires are the vertical stay-wires 2, which are of U shape, providing two vertical parallel legs 3, said legs being securely attached to the line-wires by my improved form of clip or clamp, which will now be described. These clips or clamps are formed of thin sheet metal, preferably

sheet-steel, such as is of a ductile nature, so as to be easily and readily bent, and comprise a body portion 4, having two cut-out portions 5 at one side which extend inward to near the center of the blank to provide three separated tongues 6, as clearly shown in the drawings, the middle one of which is wider than the two outer ones. The said cut-out portions 5 of the clip or clamp are of a width substantially equal to the thickness of the stay-wires 2, so that when the clips are placed in position upon the fence the tongues 6 will closely impinge upon opposite sides of the said stay-wires to firmly clamp them in position.

The manner of applying my improved form of clip or clamp will be readily understood from a perusal of the drawings and the following brief description: The line-wires having first been strung, as usual, the stay-wires, which, as before stated, are of U shape, are held in position adjacent to the line-wires, and the clips or clamps are then applied by bending the central tongue over the line-wire between the two legs of the stay-wire, so that its opposite side edges will lie in close proximity to the inner sides of said legs, and by then bending the two outside tongues of the clip in a similar manner over the line-wire, so that the inner side edges of said tongues will impinge the outer sides of the legs of the stay-wires. By this means it will be seen that the said tongues are so constructed and arranged as to impinge upon the opposite side faces of the stay-wires, so as to firmly secure them in position upon the line-wires, and thus provide a strong and rigid structure.

It will be further observed that with my construction neither the line-wires nor the stay-wires have to be bent or crimped in any manner in order to retain the clip or clamp in position. This is likewise true of my improved form of clip or clamp, which can be stamped out in a flat state, and they need not be further bent or shaped until applied to the fence.

I am aware that it is not broadly new to employ clips in the construction of wire fences, such clips being arranged to lock the stay-wires to the line-wires; but I am not aware that a clip or clamp has been heretofore provided wherein three separated tongues are

employed, said tongues being bent over upon the line-wire in such manner as to impinge or embrace the opposite sides of a U-shaped stay-wire to hold the legs thereof in position and securely lock them to the horizontal line-wires.

If so desired, I may when stamping out the blank slightly turn or curve the ends of the tongues to form hooks, so that the clips or clamps may be hung upon the horizontal fence-wires after the stay-wires have been set in position, and then crimp or bend the said hooked tongues farther inward until they tightly embrace the said horizontal line-wires.

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

1. A clip or clamp for locking the line and stay wires of a fence, comprising a sheet-metal blank having two cut-out portions extending inward from one edge of the blank to provide three separated tongues, said tongues being bent over to provide hooked portions adapted to hang upon a line-wire of a fence substantially as described.

2. A wire fence comprising horizontal line-wires and vertically-arranged U-shaped stay-wires, and clips or clamps for securing said

stay-wires to the line-wires, each comprising a blank having three separated tongues, the middle one of which is disposed between the legs of the stay-wire and bent over upon the said line-wire, and the two outer tongues being similarly bent over the line-wire, adjacent to the outer sides of the legs of the stay-wire, in such manner as to closely confine the said legs of the stay-wire between the three separated tongues, substantially as described.

3. A clip or clamp for locking the line and stay wires of a wire fence, comprising a flat sheet-metal blank having two relatively wide parallel cut-out portions extending inward from one side edge thereof to near the center of the blank, to provide three separated tongues, the middle one of which is of greater width than the outer ones, said tongues being bent over toward the body of the blank to provide hooked portions adapted to take over a line-wire of a fence substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DANIEL W. BROMLEY.

Witnesses:

P. H. WILLIS,  
A. C. BELL.