

(No Model.)

O. I. YAGER.
FENCE.

No. 353,243.

Patented Nov. 23, 1886.

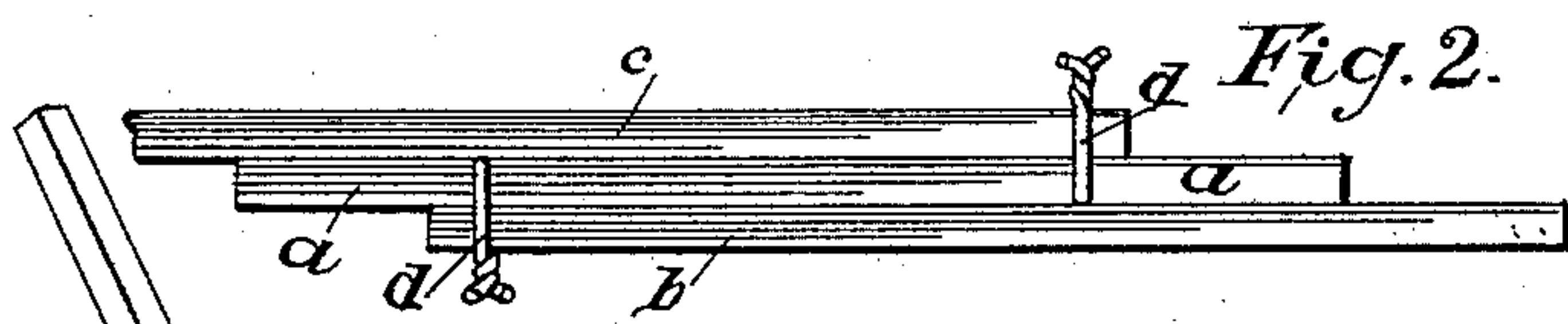
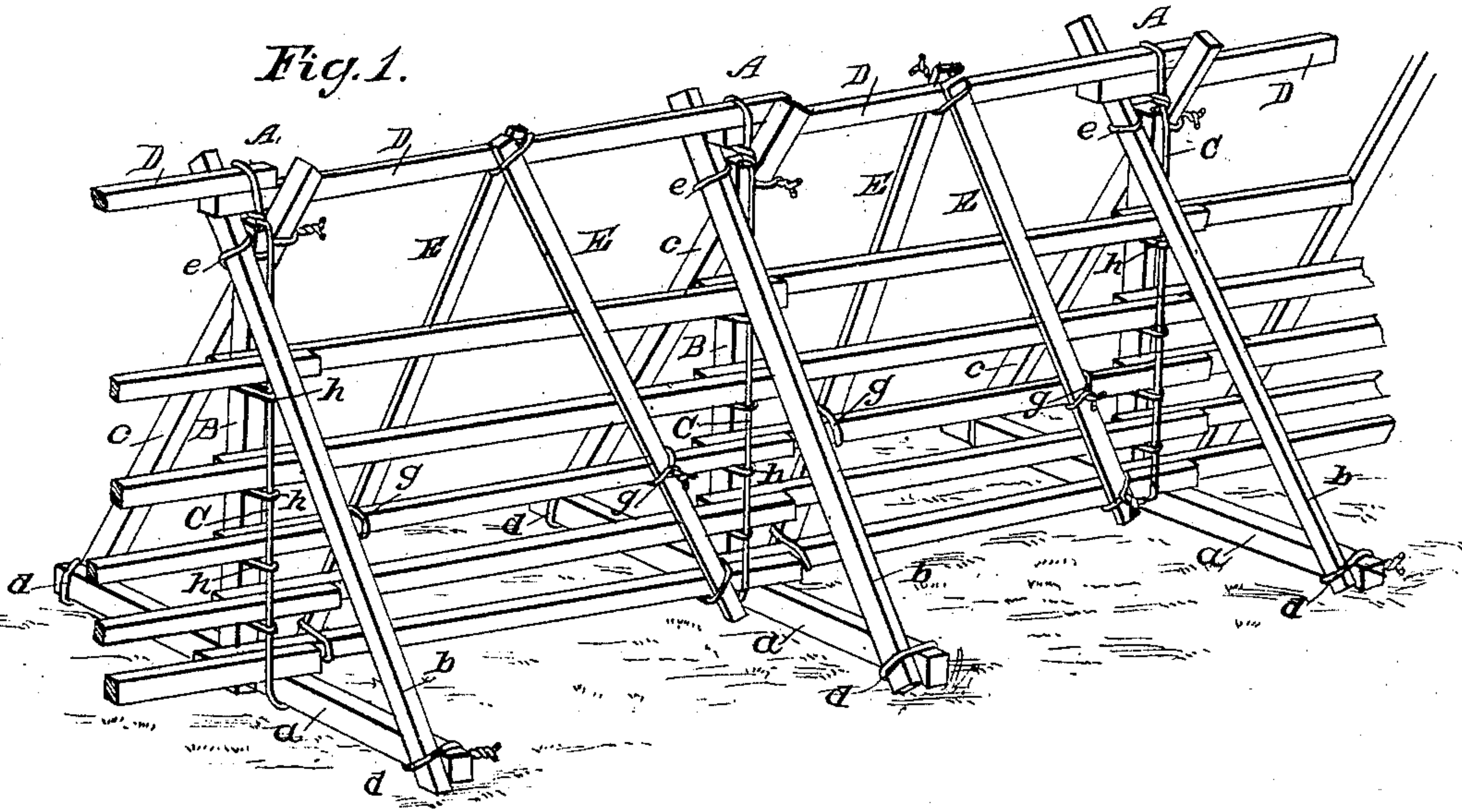


Fig. 3.

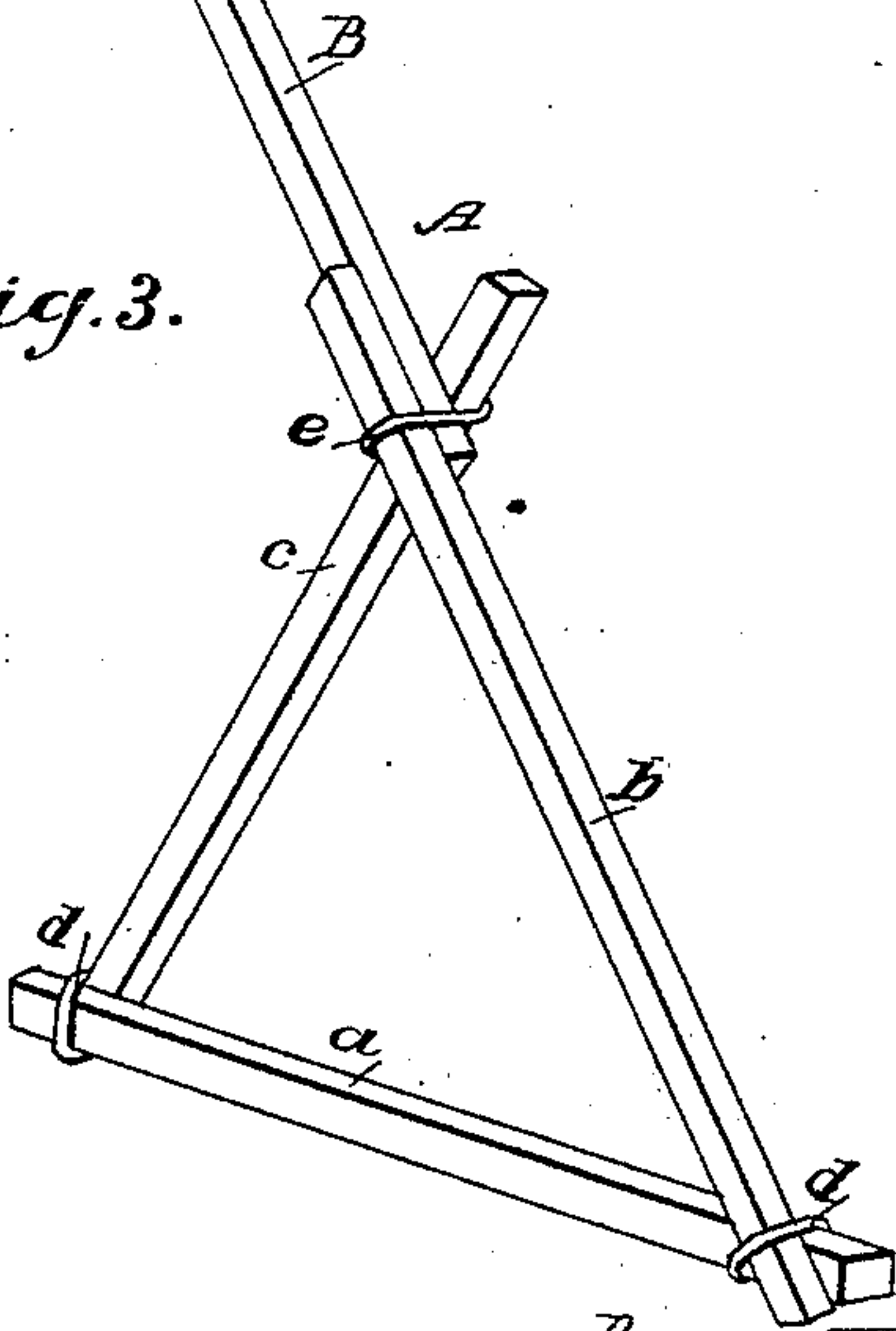


Fig. 4.

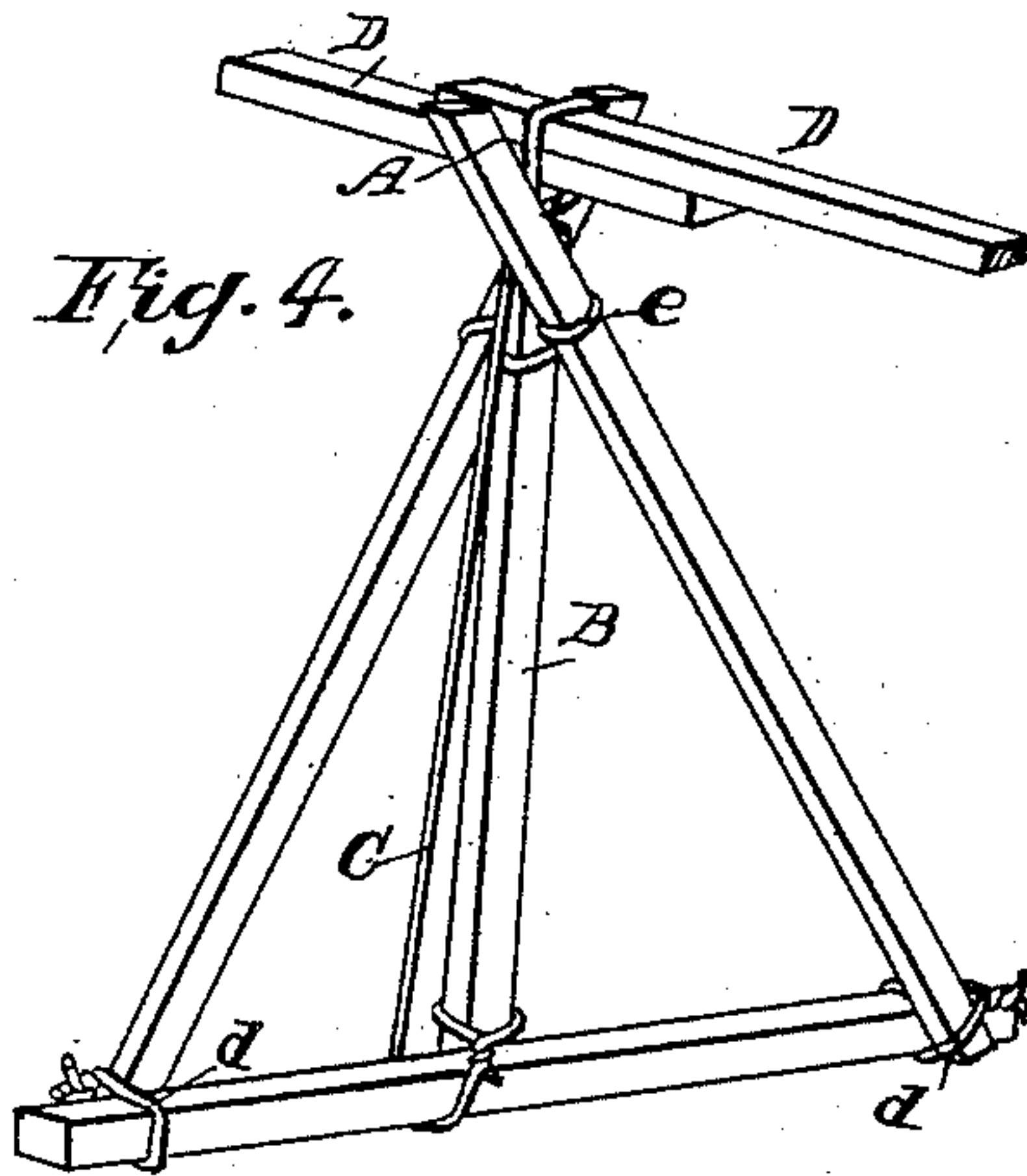
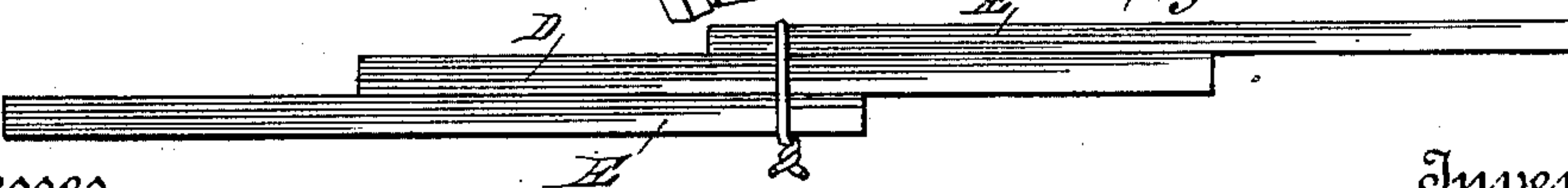


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

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FENCE.

SPECIFICATION forming part of Letters Patent No. 353,243, dated November 23, 1886.

Application filed August 12, 1886. Serial No. 210,678. (No model.)

To all whom it may concern:

Be it known that I, OLLIS I. YAGER, a citizen of the United States, residing at Beard, in the county of Oldham and State of Kentucky, have invented certain new and useful Improvements in Fences; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has relation to improvements in fences; and it consists in the construction, novel arrangement, and adaptation of devices, as will be hereinafter more fully set forth, and particularly pointed out in the claims appended.

In the accompanying drawings, Figure 1 is a perspective view of my improved fence. Fig. 2 is a view of one of the transverse base-rails and a pair of diagonal braces, showing the same connected by wire and in a manner ready to be opened into position. Fig. 3 shows the diagonal braces and base-rail with one of the uprights attached and in a manner ready to be turned down in proper vertical position. Fig. 4 is a view of the braces, base-rail, one of the uprights, crown-rails, and vertical wire leading from the crown-rails to the base-rails; and Fig. 5 is a view of one of the crown-rails and a pair of side braces attached.

In carrying out my invention, I first take three rails of sufficient length, as *a b c*, and secure the two outer rails, *b c*, to the middle rail by wire *d*, near one end of the former, as shown, the rails being placed side by side, as more fully shown in Fig. 2 of the drawings. The middle rail, *a*, is designed to form the transverse base-rail, placed one at each end of each section of fence. These rails *a b c* may be secured together by the wires at any suitable point, according to the width or angle of brace desired. Thus secured, the free ends of the rails *b c* are raised diagonally in the direction of each other, so as to form a fork, *A*, at their upper ends. By this construction it will be seen that the wire loops *d* are twisted by the action of the diagonal braces, thereby forming a very secure joint at these points and firmly holding the said stakes or braces from mov-

ing below the base-rail *a* and into the earth, which would consequently effect a weakness of the fence. I then place the upper end of an upright, *B*, in an inverted position between the upper ends of the diagonal braces and slightly below the fork or intersection thereof, after which I firmly unite them by a wire loop, *e*. After thus uniting them, I turn the upper or free end of the upright around downwardly to the central inner side of the base-rail, as more fully shown in Fig. 4, where it is secured, as will be presently explained. When the parts are thus united, it will be seen that the joints will become very strong, and all possibility of the parts slipping thereby prevented. I now place the crown-rails, with their meeting ends overlapped, in the fork of the diagonal brace rails or stakes and above the upper end of the uprights, after which I pass the wire *C* around the upright immediately above the transverse rail, bringing the free end of the wire around the upright to the main wire, thus securing the same. I then pass this main wire *C* across the base-rail, around and under the same, upon the same side as the upright, embracing the lower longitudinal rails of the fence, after which I carry the said wire up approximately parallel with the upright and firmly secure the upper end to the overlapped ends of the crown-rails *D*. Thus it will be seen that the crown-rails are firmly secured to the fork of the brace-stakes, as well as to the transverse base-rails and to the lower end of the uprights.

EE indicate the lateral oblique braces shown in Fig. 5 as attached to one of the crown-rails and in a position to be turned down for attachment at their opposite ends to the lower longitudinal rails of the fence. These lateral braces are also secured at an intermediate point to one of the rails of the fence by a loop-wire, *g*, as shown, thereby holding the same firmly against the fence in a rigid oblique position and its lower end from engagement with the earth. The fence-rails are passed between the main vertical wires and the uprights, when the former may be drawn beneath each rail by a wire loop, *h*, which embraces both the said main wire and the upright.

This fence may be constructed at a comparatively small expense. It is very substantial, and will resist great strain.

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

1. The combination, in a fence, of the trans-
5 verse base-rail, the diagonal brace-stakes se-
cured to the outer ends thereof by wire loops,
the upright secured to the said stakes on their
adjacent sides by a wire loop formed from the
same wire that unites the upper ends of the
10 stakes, and the vertical wire securing the
lower end of the upright to the transverse base-
rail, and both of the latter to the crown-rails,
substantially as specified.

2. The improved fence, consisting of the
15 transverse base-rails, the diagonal brace-stakes
secured at their outer ends by wire, the up-
rights secured by wire at the upper end of the
stakes, as described, the overlapped crown-
rails placed in the fork of the brace-stakes, the

vertical wire securing the lower ends of the 20
uprights to the transverse base-rails, and both
of the latter to the crown-rails, the loops se-
curing the vertical wires to the uprights, the
lower longitudinal rails embraced by the said
vertical wires, the fence-rails arranged be- 25
tween the vertical wires and uprights, and the
lateral oblique braces secured at their upper
ends to the crown-rails about midway the
length of the latter, their lower ends secured
to the lower longitudinal rails adjacent to the 30
base-rails, and also secured to one or more of
the main fence-rails, substantially as specified.

In testimony whereof I affix my signature in
presence of two witnesses.

OLLIS I. YAGER.

Witnesses:

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S. A. ELLIS.