

E. STILES.
Farm Fence.

No. 69,858.

Patented Oct. 15, 1867.

Fig. 1.

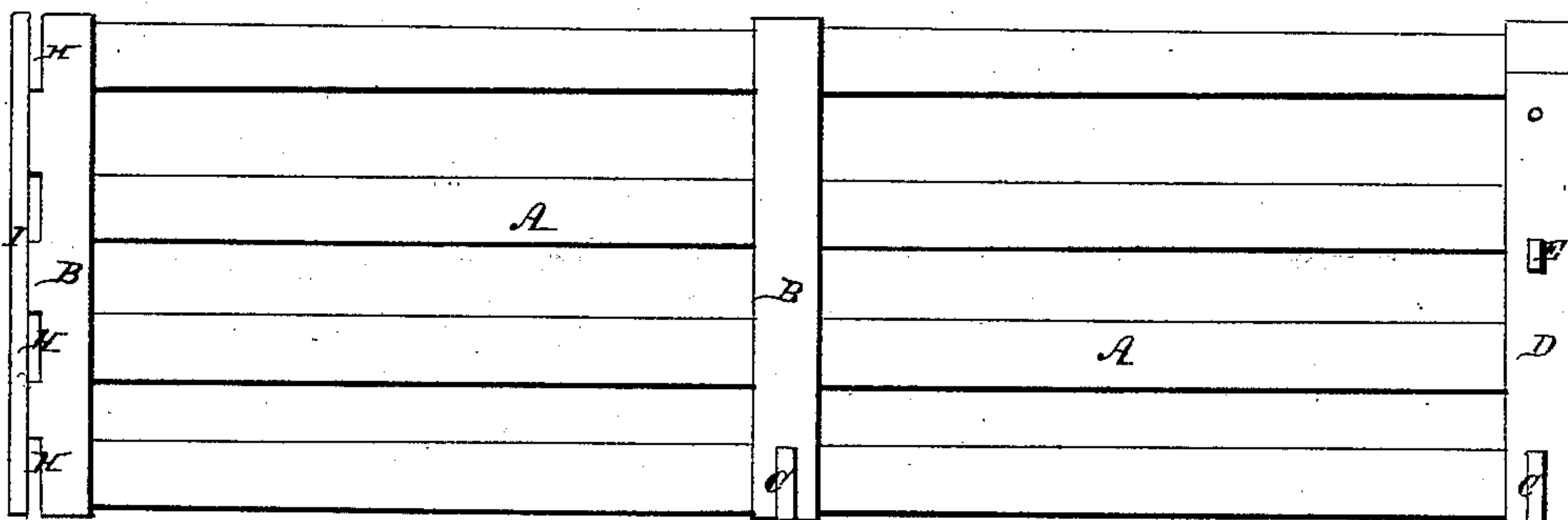


Fig. 2.

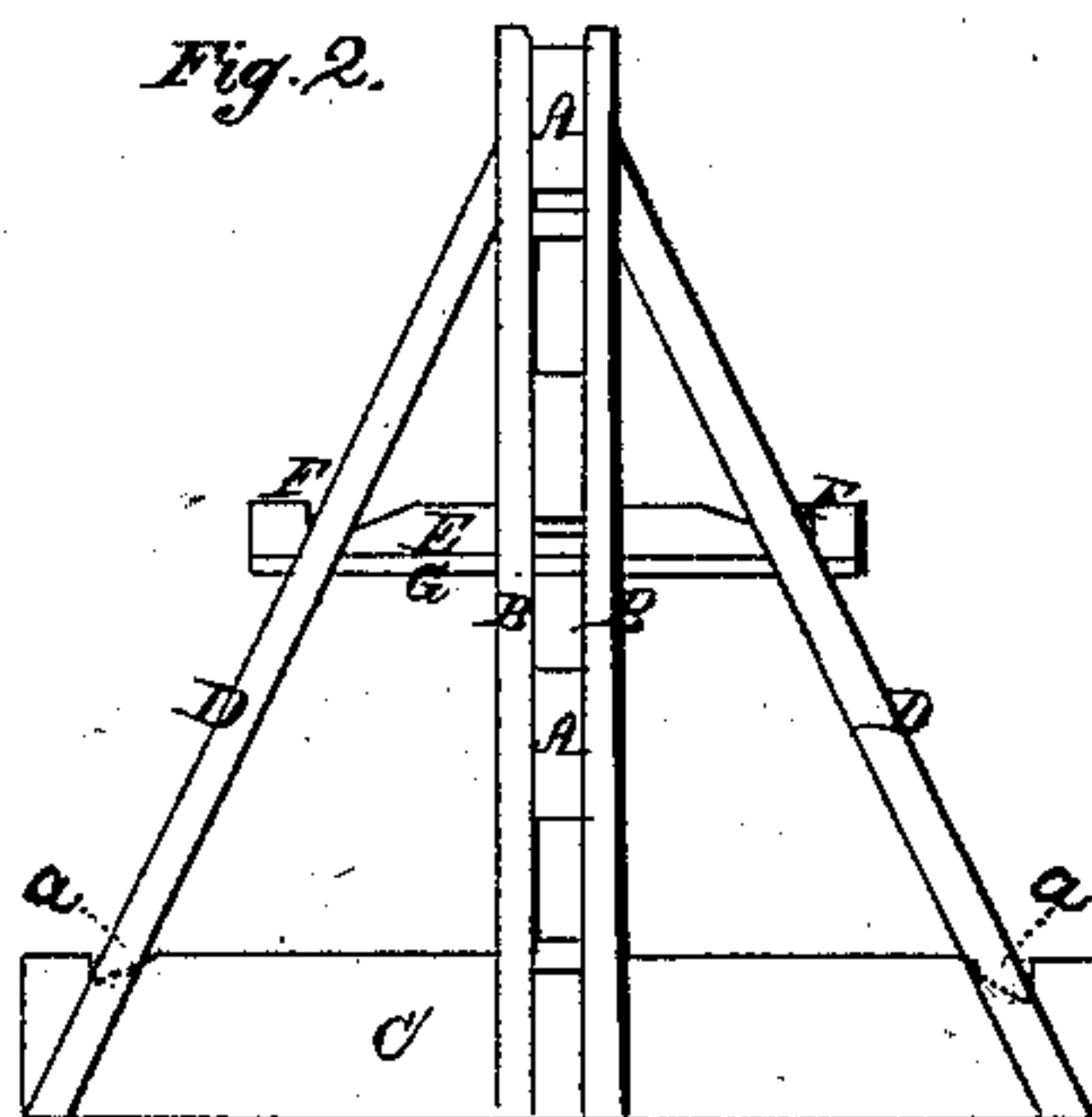
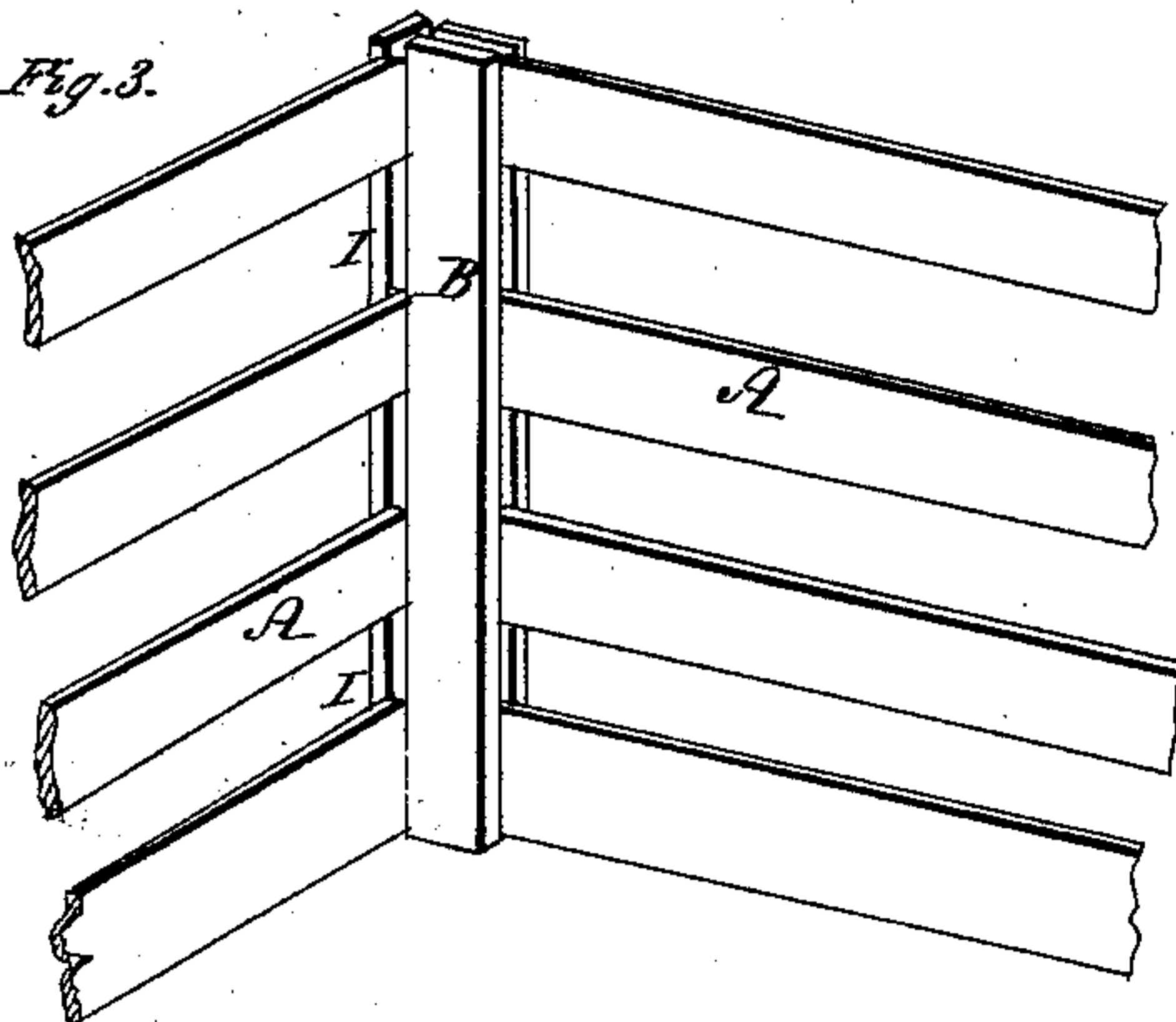


Fig. 3.



Witnesses.

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EDWIN STILES, OF CLEVELAND, OHIO.

Letters Patent No. 69,858, dated October 15, 1867.

IMPROVEMENT IN FARM-FENCE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, EDWIN STILES, of Cleveland, in the county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Farm-Fences; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of a fence panel.

Figure 2 is an end view of the same.

Figure 3 is a detached perspective view showing the manner of turning a corner.

Like letters of reference refer to like parts in the views.

A panel of this fence consists of four or more boards A, fig. 1, according to the height required. To the ends of these boards are nailed the cleats B, one on each side, as shown in fig. 2, and which are deeply slotted, and made to fit or embrace the sides of the sill C, as shown in fig. 1. D D (fig. 2) are braces, the lower ends of which are deeply slotted, as are the cleats, and made to embrace the sills in the same manner. In the ends of the sill are cut angular notches *a*, in which the bottom of the slot is lodged, thereby preventing the foot of the brace from slipping from the sill, thus dispensing with the use of pins or nails for the purpose of keeping it in place. The upper ends of the braces are pinned to the cleats, and are further secured by the cross-tie E, fig. 2, which, it will be seen, passes entirely through the cleats and braces. In each end of this cross-piece is cut a notch, F, in which the end of the slot through which the tie passes is rested, and which is secured therein by the insertion of a key, G, which, it will be seen, reaches along the under side of the tie, and through the braces and cleats, as does the tie. Thus the braces and cleats are firmly and permanently fastened together, thereby giving to the whole structure strength and durability, without the use of nails or spikes in its construction. In order to turn a corner with this fence, the end cleats are notched in, as seen in fig. 1, in which figure H H are the notches. Over these notches is nailed a strip, I, which makes, as is seen, a mortise, into which the ends of the boards of a fence-panel are inserted, and retained therein by a pin driven through the strip I, and the intruded ends of the boards. A corner thus made is shown in fig. 3. This fence is easily and cheaply made, requiring but few nails, and but little mechanical skill in its construction.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The special construction and arrangement of a fence, as herein specified.

EDWIN STILES.

Witnesses:

J. H. BURRIDGE,

J. HOLMES.