L. W. BOSART.
Wire-Fence.

No. 220,746. Patented Oct. 21, 1879.

Fig. 1.

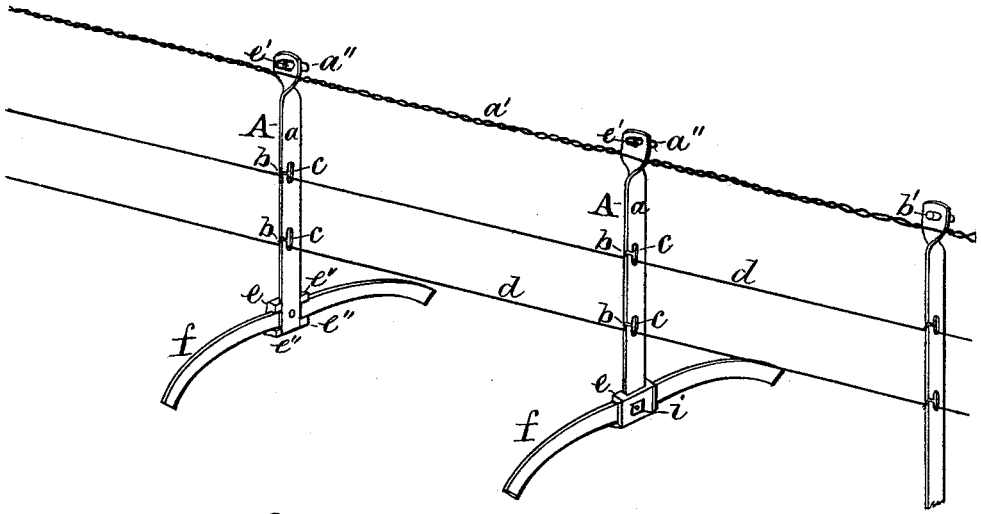


Fig. 2.

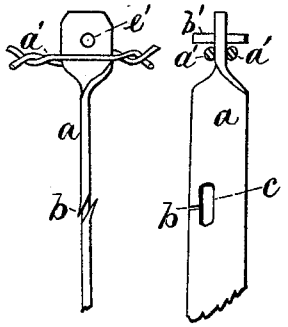
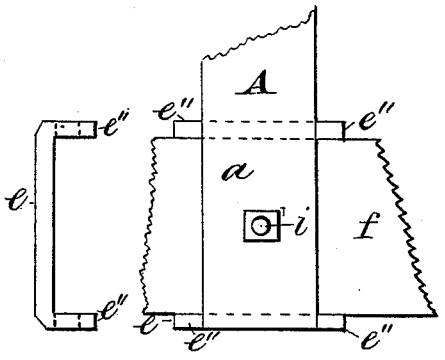


Fig. 3.



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UNITED STATES PATENT OFFICE.

LOUIS W. BOSART, OF SPRINGFIELD, OHIO.

IMPROVEMENT IN WIRE FENCES.

Specification forming part of Letters Patent No. **220,746**, dated October 21, 1879; application filed September 3, 1879.

To all whom it may concern:

Be it known that I, LOUIS W. BOSART, of the city of Springfield, in the county of Clarke and State of Ohio, have invented certain new and useful Improvements in Wire Fences, of which the following is a full, clear, and exact specification.

My improvement relates to portable wire fence, and consists more especially of the peculiar intermediate supports for the wires between the stretching-posts. These are made in the form of trestles having a wide laterally-extended base for attaching the upright which carries the wires. These trestles are made of metal, a thin bar of wrought-iron being used for both foot-piece and upright. These are held together by a clutch-plate of iron, and a bolt extends through the whole, firmly securing the connections together. The top of the upright is twisted half-way round to bring its longest diameter in line with the top wire cable, between the wires of which it is inserted to hold this end in position, and to form by its its shoulders a bearing for said wires. It is pierced with a hole for the insertion of a wire loop, pin, or other equivalent above the wires.

Firmness of the supports, durability, portability, and cheapness are the objects of my invention.

Figure 1 represents a section of portable wire fence having my improvements. Fig. 2 is an enlarged view of the upper half-section of the upright front and rear side. Fig. 3 is an enlarged view of the connection at the bottom, showing the lower end of the upright and the quadrangular clutch-plate with a section of the foot-piece of the trestle clamped between them; also, an edge view of the clutch-plate.

A is the trestle, which consists of an upright flat bar, *a*, of wrought-iron, having a long foot-piece, *f*, of the same material, which stands up edgewise, and the ends of which are curved slightly downward to give it a firmer hold in the ground and to elevate the upright and its connecting-plate *e* above its surface. The top of this upright is twisted half around, as before described, and is inserted between the twisted wires *a'*, which form the top or upper string. Through the hole *e'* above these is inserted a short wire loop, *a''*, or a pin, *b*, or other equivalent for retaining the wires *a'* in their place, and to keep the top of the upright in a fixed position. In the edge of the upright *a*, at the proper height for the lower wires, is cut a diagonal cleft, *b*.

The extreme points of the severed parts are extended in opposite directions and turned outward to admit the wires *d d* and allow them to drop into the oblong slot *c* cut through the upright near its front edge. The lower end of the upright is lapped onto the middle of the long bar *f*, which forms the foot-piece. It is clamped to the side of it by a quadrangular plate, *e*, which may be either wrought or cast iron.

The plate *e* is formed with ears or lugs *e''* at each of its corners, which turn down at right angles upon the upper and lower edges of *f*, extending across the edges of the upright *a*, also above and below the foot-piece. In addition to this a bolt or rivet, *i*, secures the connection rigidly together.

It will be seen that the manner of securing the upright to foot-piece effectually prevents any lateral movement of the former and makes a very strong and durable fastening, and the readiness with which the parts can be put together makes it easy to erect and transport.

In stretching the wires the trestle may be readily shifted in the line of the fence.

I claim as my improvement—

1. In portable wire fences, the upright *a* of trestle A, twisted half-way around at the top end, for the purpose of inserting it between the wires of the cable *a'*, and to allow said wires to rest on the shoulders formed on the upright, as hereinbefore described.

2. In portable wire fences having the top of the upright *a* of the trestle A twisted half around, as hereinbefore described, the wire loop *e'*, or its equivalent, inserted through the top of said upright when the latter is inserted between the wires of a fence-cable, substantially as shown, for the purpose set forth.

3. In a portable trestle for wire fences, the quadrangular clutch-plate *e*, constructed sub-

stantially as shown, and having overlapping lugs e'' at the corners of the same, for the purpose of inclosing and retaining the upright a and the foot-piece f in the position shown and described, as hereinbefore set forth.

4. In a portable trestle for wire fences, the combination of the upright a, the foot-piece f, clutch-plate e, and bolt or rivet i, as and for the purpose set forth.

LOUIS W. BOSART.

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