

(No Model.)

D. A. RICHARDSON.
FENCE.

No. 515,019.

Patented Feb. 20, 1894.

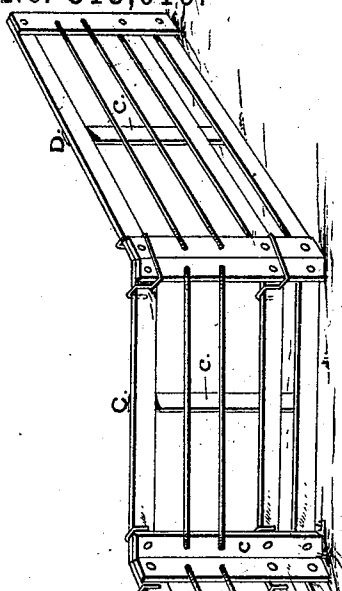


Fig. 1.

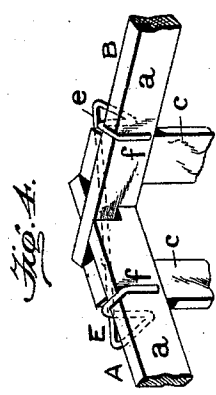


Fig. 4.

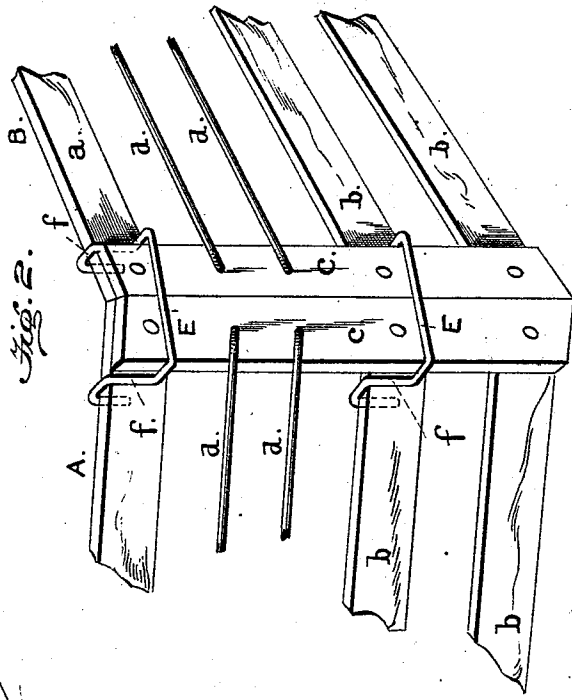
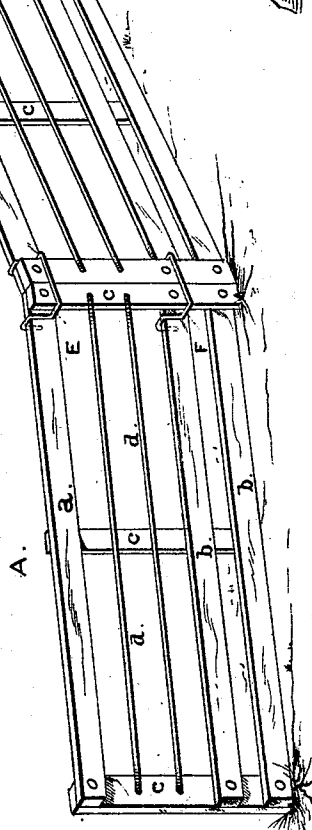


Fig. 2.

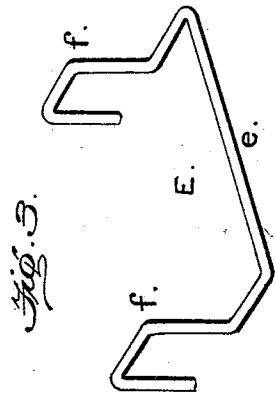


Fig. 5.

Witnesses:
Wm. H. Hill
May E. Moore

David A. Richardson.
Inventor

By *Wm. H. Hill*
Att'y.

UNITED STATES PATENT OFFICE.

DAVID AUSTIN RICHARDSON, OF PAULDING, OHIO.

FENCE.

SPECIFICATION forming part of Letters Patent No. 515,019, dated February 20, 1894.

Application filed October 5, 1893. Serial No. 487,224. (No model.)

To all whom it may concern:

Be it known that I, DAVID AUSTIN RICHARDSON, a citizen of the United States of America, residing at Paulding, in the county of Paulding and State of Ohio, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in fences of that class which can be constructed in sections to enable the fence to be readily taken apart, moved from one place to another and quickly set up for use in a strong and simple manner; and to the accomplishment of these ends, the invention consists of a fence composed of a series of panels set in zig-zag order relative to each other and coupled together at their adjacent ends by means of binders of novel construction, said binders being arranged at the top and bottom rails of the panels and comprising a loop having hooks at the ends thereof, the whole binder being bent from a single piece of wire and so formed that the central loop will embrace the vertical stiles on the adjacent panels of the fence while the hooks thereof will take the edges of the rails in a manner to connect the panels securely together and at the same time permit them to be disconnected to separate the panels one from the other.

I have illustrated the preferred embodiment of my invention in the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a perspective view of the fence set up in condition for use. Fig. 2 is an enlarged detail view showing the adjacent ends of two panels coupled together by my improved form of binders. Fig. 3 is a detail perspective view of the binder detached from the fence panels; and Fig. 4 is a modification.

Like letters of reference denote corresponding parts in all the figures of the drawings, referring to which—

A, B, C, D designate the panels of the fence which are arranged or set in zig-zag positions relative to each other. Each panel is constructed with the rider rail *a* at the top, the

two bottom rails, *b*, the end and central stiles *c* fastened to the rails *a*, *b*, and the wires *d* stretched between the rider and bottom rails and fastened to the end and central stiles, thus producing a panel which is of simple, cheap construction and which can be readily transported. The panels are assembled so that the ends of the rails and the end stiles of two adjacent panels abut against each other, and the ends of the rails are preferably beveled at such angles as to limit the outward relative movement of the two panels when the binders are applied. I employ two of these binders, indicated at E, E, to connect the adjacent ends of each pair of panels, and these binders are disposed at the top and bottom of the panels in a manner to clamp the end stiles and to fit over the edges of the rails of the adjacent panels.

In Fig. 3 I have shown a detail view of one of the binders which, it will be noted, is bent from a single piece of stout wire to form the central loop *e* and the two side prongs or hooks *f*, *f*, which extend upward from said central loop and to one side thereof. This central loop *e* is designed to clamp the end stiles on the adjacent panels while the side prongs or loops *f*, extend over the upper edges of the rails of the two panels, on opposite sides of the end stiles thereof. In setting up the fence, the panels are brought practically in line with each other, the binders E, F, applied to the end stiles and over the rails, and the panels are then adjusted at an angle to each other so that strain is brought on the binders to cause them to hold the ends of the two panels firmly together, the angular adjustment of the panels to each other being limited by the beveled ends of the rails thereof coming in contact.

It will thus be seen that I provide a simple and cheap fence which can be quickly erected and have its panels coupled together in a strong manner to resist any strain or pressure that can be brought thereon under ordinary circumstances while at the same time the panels can be adjusted to release the binders and thus enable the panels to be easily and quickly separated to transport the fence.

In the modified form I use a panel in the interlocking notches at the corners and the operation is the same as in the other form.

What I claim as new, and desire to secure
5 by Letters Patent of the United States, is—

The fence consisting of the panels disposed
at an angle to each other, and binders for se-
curing or connecting the panels, each binder
being made of a single piece of material and
10 comprising the horizontal loop for encircling

the stiles and the vertical -shaped hooks for fitting on the rails to securely bind the panels together.

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

DAVID AUSTIN RICHARDSON.

Witnesses:

E. V. RIDENOUR,

A. C. JACKSON.