

J. R. HALL.
Fence-Supports.

No. 196,086.

Patented Oct. 16, 1877.

Fig 1.

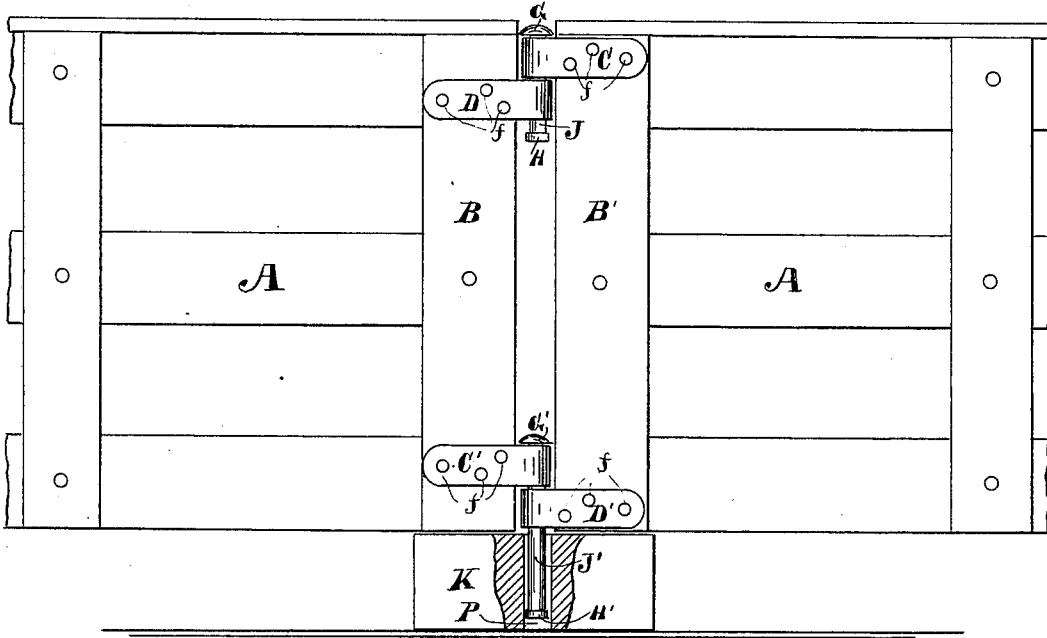


Fig 2.

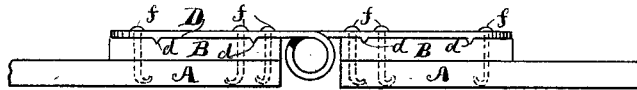
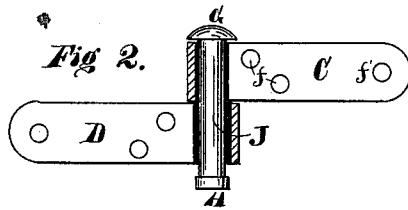


Fig 3.

WITNESSES;

W. C. Moore
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UNITED STATES PATENT OFFICE.

JOSEPH R. HALL, OF OXFORD, INDIANA.

IMPROVEMENT IN FENCE-SUPPORTS.

Specification forming part of Letters Patent No. **196,086**, dated October 16, 1877; application filed August 4, 1877.

To all whom it may concern:

Be it known that I, JOSEPH R. HALL, of Oxford, Benton county, State of Indiana, have invented a new and useful Improvement in Fence-Supports, of which the following is a description, reference being had to the accompanying drawings, and the letters of reference marked thereon.

The object of my invention is to unite the panels of a portable fence by a hinge-joint of peculiar construction, so that the panels may be adjusted to any required position, such as a worm-fence, corn or hay cribs, or a corral, &c., and to form a support for the fence, and to prevent the panels from being lifted separately, and to prevent the loss of hinge pins or bolts while the panels are being moved from place to place.

Previous to my invention fence-panels have been united together by pivot-joints, such as eyebolts screwed into the end of one panel, and hooks screwed into the end of another panel, and the panels locked together by turning up one of the hooks, and the lower hooks have been made long enough to insert into a block below to hold the fence in an upright position; and to such a construction and combination of parts I make no claim.

My invention consists of the combination of hinges and bolts of peculiar construction with fence-panels and supporting-blocks, as will hereinafter be fully set forth and described in the specification and claims.

Figure 1 represents an elevation of two fence-panels to which my improved hinges are attached. Fig. 2 represents a sectional view of my improved hinge and bolt. Fig. 3 is a top view of the same attached to a fence.

A represents the slats, and B the stiles, of an ordinary fence-panel.

To the stiles B B' are secured the hinge-plates C D C' D', in the manner shown—*i. e.*, the hinge-plates D and C' on the stile B are between the plates C and D' on the stile B'. Thus, by their position, they form a lock to each panel when the bolts J J' are inserted, and prevent either of the panels from being lifted separately. This mode of arranging the hinge-plates is old and well known.

The bolt J is formed with a head, G, and an enlarged bottom, H, and is clasped in the eye of the hinge-plate C in a loose manner, so as to allow the bolt to work up and down

in the eye without being pulled out, and the eye of the hinge-plate D below is of sufficient size to allow the enlarged end H of the bolt J to pass through it, as shown in Fig. 2 more fully. The lower bolt J' is secured in the hinge-leaf C', and passes through the leaf D' in the same manner, and extends downward far enough to enter the hole P in the supporting-block K, and form a support to the fence, as shown in Fig. 1.

The hinge-leaves C D may be provided with ribs *d d*, that will embed themselves in the stiles B B' when the hinges are secured thereto by bolts, nails, or screws, and prevent them from working loose.

In order to set up my improved fence, the bolt G' is drawn up in the eye of the leaf C', and the eye of leaf D' is adjusted under it, when the bolt G' is dropped through and inserted in the hole P of the block K. Then the bolt G above is raised up in the eye of leaf C, and the leaf D is brought under it, and the bolt G is pushed through. The panels may then be adjusted in any required direction or form.

The object of the enlarged lower ends H of the bolts J is to prevent the bolts from being lost in transporting the panels from place to place; and in order to secure the bolts in the leaves, the bolt is first inserted, and then the eye is closed sufficient to prevent it from being pulled out, while the eye in the leaf below is large enough to allow the head H to pass through it.

What I claim as new, and wish to secure by Letters Patent, is—

1. The combination, with the panels of a fence, of the hinge-straps and bolts or pintles, enlarged at their lower ends to prevent withdrawal, substantially as described.

2. The combination, with the panels of a fence, of the hinged straps, the bolts or pintles, enlarged at their lower ends to prevent withdrawal, and the supporting-blocks K, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH R. HALL.

Witnesses:

E. O. FRINK,
S. C. FRINK.