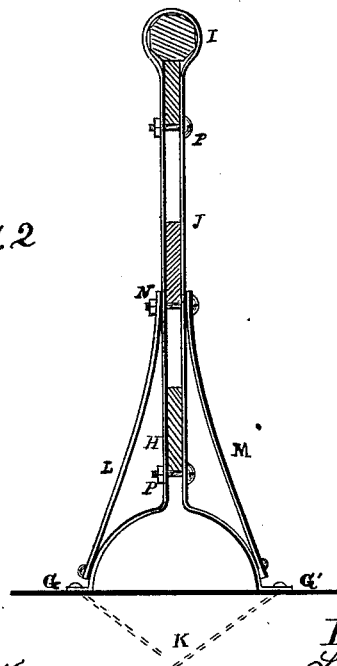
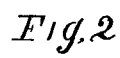
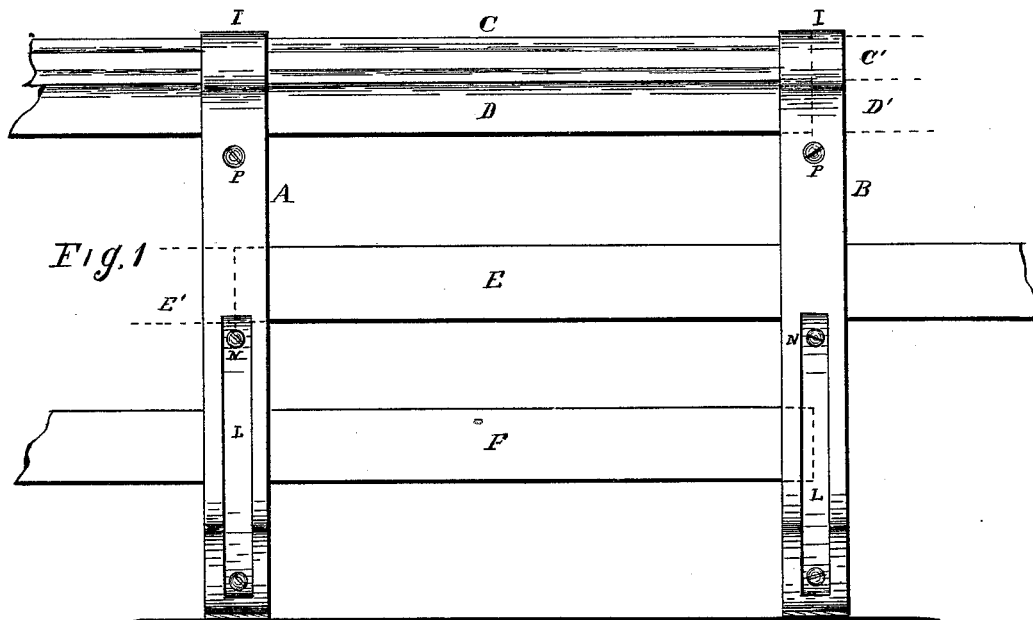


L. C. GRANT.  
Fence-Post.

**No. 213,506.**

Patented Mar. 25, 1879.



Witnesses.  
J. A. Lapham  
R. H. Ober

Inventor:  
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# UNITED STATES PATENT OFFICE.

LEWIS C. GRANT, OF MESOPOTAMIA, OHIO.

## IMPROVEMENT IN FENCE-POSTS.

Specification forming part of Letters Patent No. **213,506**, dated March 25, 1879; application filed July 19, 1878.

*To all whom it may concern:*

Be it known that I, LEWIS C. GRANT, of Mesopotamia, in the county of Trumbull and State of Ohio, have invented certain new and useful Improvements in Fences; and I do hereby declare that the following is a full and complete description thereof.

Figure 1 is a side view, and Fig. 2 an end view.

Like letters refer to like parts in the drawings.

The nature of my improvement in fences relates to the post, which is made of sheet or strap iron in one piece, with counter-braces on each side. It further relates to the mode of securing the rails to and between the posts by means of screw-bolts, rivets, or their equivalents.

For a more detailed description of the construction of the same, reference will be had to the following specification and to the annexed drawings.

In the drawings, A B represent the posts, and C D E F, Fig. 1, the rails. Said posts are made in one piece of band or strap iron, of such size and proportions as the nature of the fence may require. The post, as stated, is made in one piece, the end or foot of which may be at right angles to a vertical line of said post, as seen at G G'. From G it curves laterally, or it may extend in a straight line to one side, H, thence up to the head I, which may be circular or polygonal, as may be required. From the head it extends down to G', forming the side J, which will be the same as the opposite side, H. The feet G G' may be secured to a pedestal of stone by any suitable means, or rest upon the ground, and anchored by means of stay-rods passing through the feet into the ground, as indicated at K, Fig. 2; and for further strengthening the posts and fence, on each side thereof is secured a counter-brace, L and M, the lower ends of which are respectively fastened to the lower part of the post, which is expanded or spread out from the vertical line of the post to increase the area of the base, thereby giv-

ing great strength and firmness to the fence. The upper ends of the braces are bolted or otherwise secured to the sides of the post, as noted at N.

The top rail C may be circular, or other form adapted to the head of the post, which incloses this rail at the point of connection. The rails below are held between the posts, to which they are firmly secured by means of the bolts P and N, which extend through the posts and rails, or the rails may rest upon the bolts, as seen in the drawings.

For the purpose of giving additional strength to the fence, one or more of the rails may be extended from one panel to the other without breaking joint—that is, in case the rail E connects with a rail, E', in the post A, as indicated by the dotted lines in Fig. 1, the rail E will pass entirely through the post B, and extend through the adjoining panel to the next post, where it will be connected with another rail and secured together between and with the post in the same way as the rails E and E' are connected with the post A.

Thus the panels of the fence and rails are secured together, making a continuous fence, and by extending one or more of the rails through each post, as shown, it renders the fence much stronger than would be the case if all the rails of each panel were connected at these ends between each post, as indicated at C C' and D D', in post B.

This mode of extending one or more rails from one post to the other, to avoid connecting all the ends of the rails in one post, may be varied according to the nature of the fence and material used.

In place of wood rails, band or hoop iron may be used, either longitudinally or in an angular position, so as to form lattice or cross-rails for the panels, according to taste or convenience, without departing from the essential features of this invention, as the rails constructed of the material last referred to would be substantially a mere substitute for wood, and would be connected to and secured to the posts essentially in the same way as the rails

just described, in which case the rails may either abut or lap onto each other by scarfing between the posts.

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

The post formed of one piece of band-iron, having an enlarged open head for the reception of the top rail, and the lower end extended transversely to form a wide base, the

two sides just so far apart as to receive the middle rails, the whole secured to a base piece by rivets or bolts, and stiffened by counter-braces L M, substantially as and for the purpose described.

LEWIS C. GRANT.

Witnesses:

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