

F. SUITER.  
FENCES.

No. 184,116.

Patented Nov. 7, 1876.

Fig. 1.

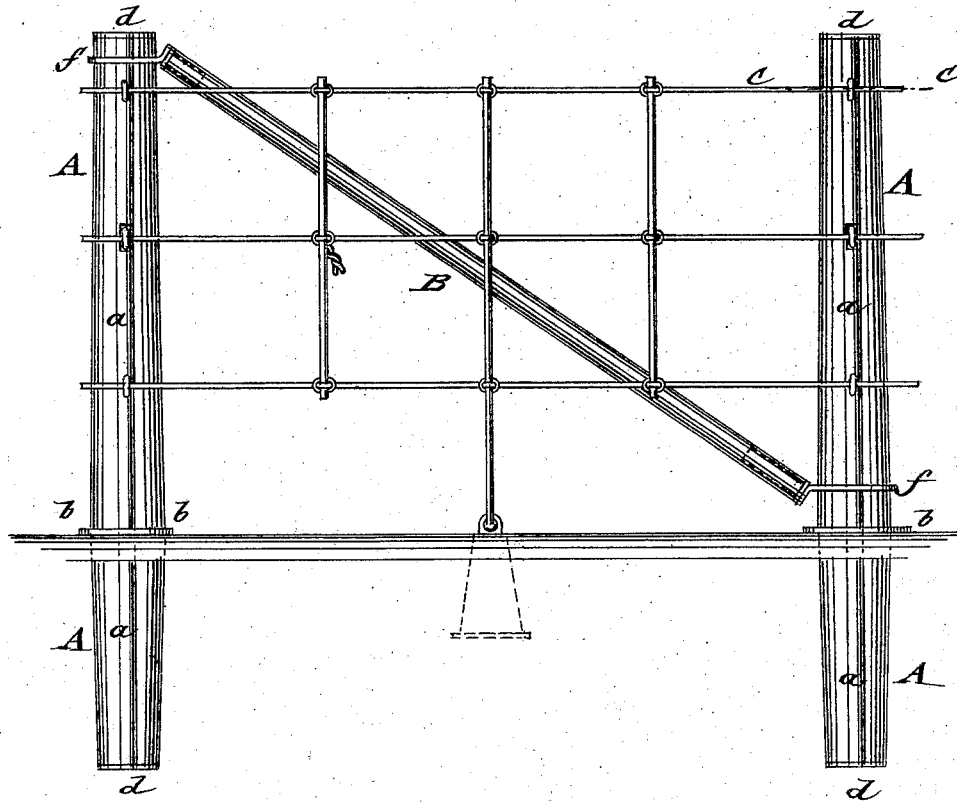


Fig. 2.



WITNESSES:

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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

FREDERICK SUITER, OF DE WITT, IOWA.

## IMPROVEMENT IN FENCES.

Specification forming part of Letters Patent No. 184,116, dated November 7, 1876; application filed August 14, 1876.

*To all whom it may concern:*

Be it known that I, FREDERICK SUITER, of De Witt, in the county of Clinton and State of Iowa, have invented a new and Improved Fence, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front elevation of my improved fence; and Fig. 2, a horizontal section of the post on the line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to improvements in iron fences and posts, so that the same may be constructed and set up in durable, substantial, and economical manner; and the invention consists of a semicircular post that tapers from a base-plate at the point where it emerges from the ground, both ways toward the top and bottom being strengthened by a center rib or ridge. The fence-wires are connected thereto by staples, slots, and fastenings, and also intermediately between the posts to a stub-post. The posts of the end panels are stiffened by a tubular diagonal brace, that is fitted by collars to the posts.

In the drawing, A represents the metallic post of my improved iron hedge-fence, which is rolled into semicircular or other curved concavo-convex shape, and tapered from the center to the edges. The post A is stiffened by a central rib or ridge, *a*, at the outer convex side, and made to taper both ways from a base-plate, *b*, at a point where the post leaves the ground to the top and to the bottom. The fence-wire is attached to the post in various ways, either to a staple cast into the same, or

to a staple with spread ends passed through a slot in post, or to a staple passed through a slot and twisted onto a lateral cross-wire of the post, as shown in Fig. 2. The post A is provided with a flanged cap, *d*, at top and bottom, and set rigidly into the ground by means of a mixture of water, lime, and gravel or other cement, placed around the bottom part of post. The wires are stretched from post to post, and kept in tight state by a center wire that is extended to a stub-post intermediately between the posts, and also set into a surrounding layer of cement. The posts A are further connected at suitable points, wherever needed, by a tubular or other brace, B, that extends diagonally from post to post, and is slipped and fitted by a collar or eye, *f*, at both ends over the posts. The draw-posts are secured or fastened by pieces of rock or otherwise into the ground. The collars or eyes *f* are fitted by sockets into the ends of the posts, as shown in Fig. 1.

The fence may thus be constructed in solid, rigid, and cheap manner, and forms a durable substitute for the wooden fences.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the fence-posts A, of a diagonal brace, B, having end collars or eyes *f*, fitting on the posts, substantially as and for the purpose set forth.

FREDERICK SUITER.

Witnesses:

W. A. COTTON,  
THOS. F. BUTTERFIELD.