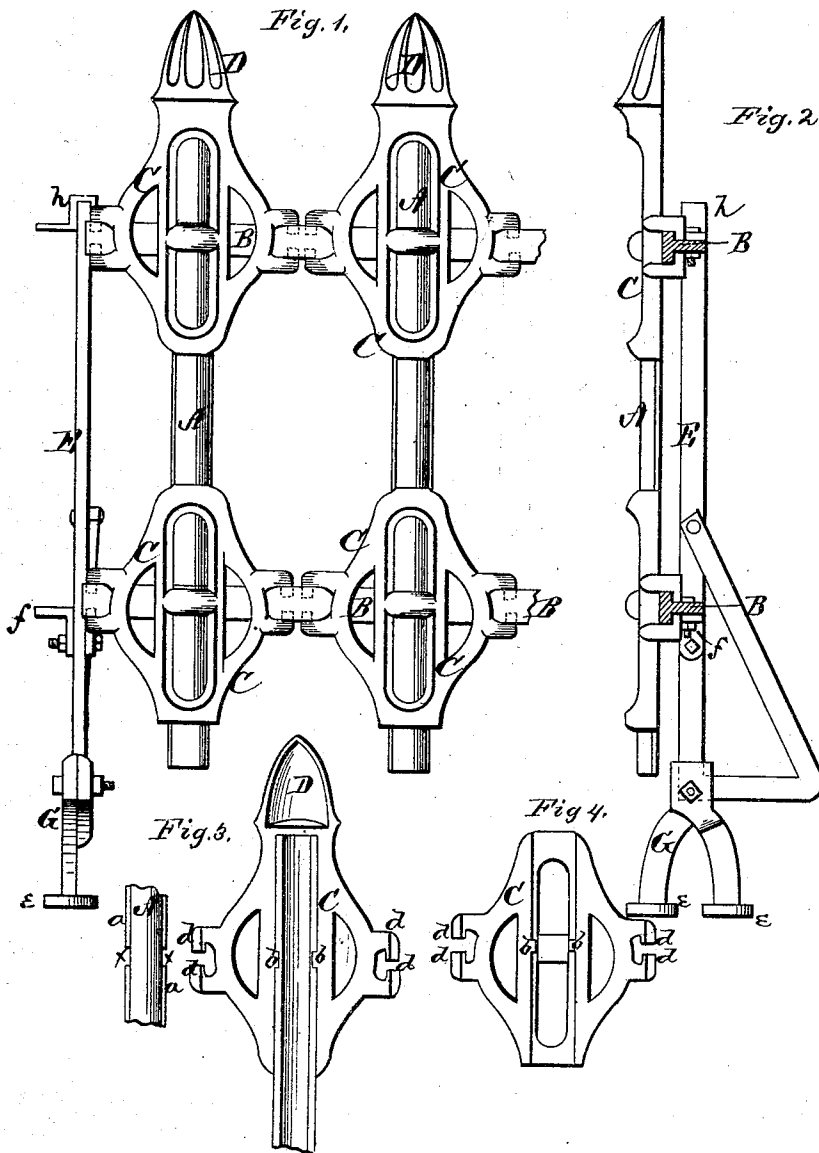


T. ROGERS & B. G. DEVOE.
Iron-Fences.

No. 145,903.

Patented Dec. 23, 1873.



WITNESSES

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UNITED STATES PATENT OFFICE.

TIMOTHY ROGERS AND BENJAMIN G. DEVOE, OF KENTON, OHIO; SAID
DEVOE ASSIGNOR TO TIMOTHY ROGERS AND WILLIAM L. WALKER.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. **145,903**, dated December 23, 1873; application filed
August 13, 1873.

To all whom it may concern:

Be it known that we, TIMOTHY ROGERS and BENJAMIN G. DEVOE, of Kenton, in the county of Hardin and in the State of Ohio, have invented certain new and useful Improvements in Steel Fence; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a metallic fence, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of a part of our fence. Fig. 2 is a section of the same, and Figs. 3 and 4 show detached parts of the same.

A A represent the fence-pickets, which are rolled partially round, with a narrow flat flange, *a*, on each edge of the round portion. B B represent steel rails, two or more of which are used. They may be made of iron, if so desired, and are in the form of a T-rail, in order to take off the lateral shake and tremble of the fence. The fastening for connecting the pickets A A and rails B B consists of a peculiar truss brace and clamp C. The upper one of these clamps has an ornament, D, on top, which projects over the top of the picket A, so that this will be perfectly protected above the top rail, which keeps the top from getting bent, and makes a fine finish for the top of the fence. The pickets are rigidly held in position by means of a notch, *x*, cut out of the flange *a* on each side of the picket. The clamp has a lug, *b*, on each side to drop in the notches *b b* in the picket, and the side pieces of the clamp bind on the face of the rails B by means of

four lugs, *d d*, on each clamp, which lugs extend back and behind the face of the T-rail, and, when driven together, hold the rail and picket firmly and substantially to their places. These clamps may be made in any desired pattern to suit the fancy. The post for this fence is a wrought post, E, above ground, with a cast-iron base, G, or it may sit on a stone base. The base G is made of two pieces, with a disk, *e*, on each part, at the bottom. The base sits crosswise with the fence, and the top of the base has an L-shaped recess cast for the reception of the post E. This post is made of one piece, bent at right angles at the bottom and placed in the recess of the base-pieces and bolted together by a strong bolt. The angle runs back far enough to make a good brace and then bent again, the end striking about half-way up the post and riveted or bolted. This forms a stiff brace for the post. The fence is secured to the post E by means of brackets *f* and *h*. The lower bracket, *f*, is a corner or L-shaped bracket bolted to the rail and post, with slots in the rails to allow of the contraction and expansion. The top bracket, *h*, is made to cover the top of the post, and bolts to the rails and also through the top of the post, which helps to sustain the weight of the fence.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of metallic pickets A A, horizontal T-shaped rails B B, and clamps C C with grasping-lugs *b b* and *d d*, substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 26th day of July, 1873.

TIMOTHY ROGERS.
BENJAMIN G. DEVOE.

Witnesses:

C. L. EVERT,
CHARLES BRUMM.