

T. ROGERS.
Iron-Fences.

No. 150,083.

Patented April 21, 1874.

Fig. 1

Fig. 2

Fig. 6.

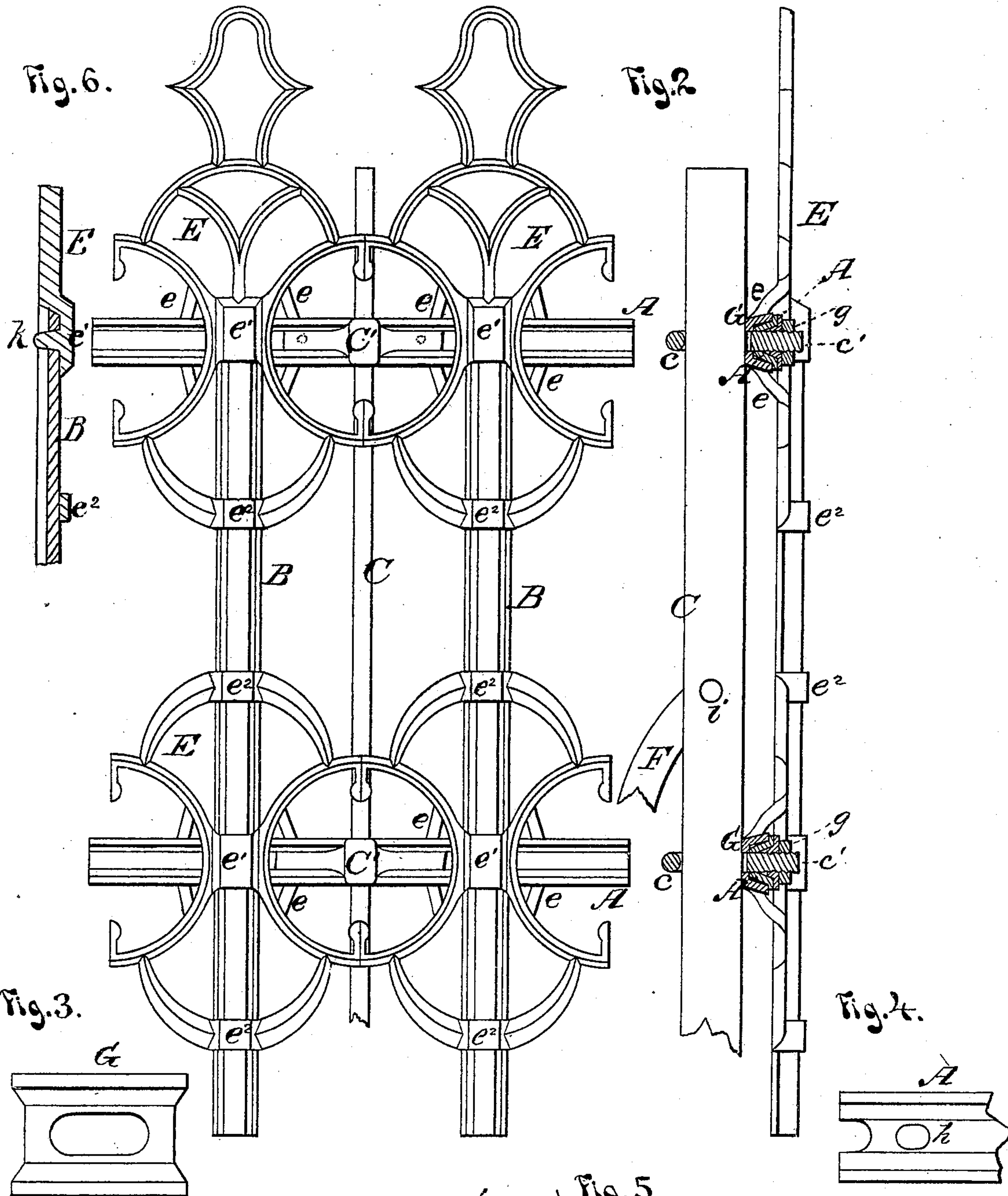


Fig. 3.

Fig. 4.

Fig. 5.

Fig. 7.

Witnesses.

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UNITED STATES PATENT OFFICE.

TIMOTHY ROGERS, OF MOUNT VERNON, OHIO.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. **150,083**, dated April 21, 1874; application filed February 21, 1874.

To all whom it may concern:

Be it known that I, TIMOTHY ROGERS, of Mount Vernon, in the county of Knox and State of Ohio, have invented a new and valuable Improvement in Fences; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my fence. Fig. 2 is a sectional view of the same. Figs. 3, 4, 5, 6, and 7 are detail views.

This invention has relation to metal fences; and it consists in a novel mode of splicing the rails and securing them to the posts, as will be hereinafter explained.

The following is a description of my improvements.

In the annexed drawings, A A designate the horizontal rails of the fence, and B B are the pickets or uprights, to which ornaments are secured, as will be hereinafter explained. These rails and pickets present, in cross-section, the shape of the capital letter A, and they may be made of cast or wrought metal. For large and heavy fences the rails A A will be larger and stronger than the pickets; but for smaller fences, the rails and pickets will be of the same size. C designates a fence-post, which is made of flat bar-iron, and adjustably secured to a base-piece, for insertion into the ground, by means of a brace, F, and bolts and nuts *n n*, as shown in Fig. 3. The base-piece has a broad foot-piece, D', formed on its lower end, and the body of it presents four right-angular flanges. The adjustment of the post is for the purpose of setting the fence upright, and to maintain a right-line position of the fence. The post C is secured to the rails A A,

at the joints thereof, by means of loops *e*, which tightly embrace the post, and are constructed with screw-threaded extensions *e'*. Each one of the extensions *e'* passes through a splicing-plate, G, through the abutting ends of the rail-sections, and through another splice, C', and receives on it a nut, *g*, by means of which the parts are firmly secured together, but allowed slight endwise movement for expansion and contraction. The splice G is shaped to fit the back of each rail, and its upper and lower edges, and the splice C' fits into the front grooved side of the rail, and is constructed with lugs *r r* on its ends, which enter oblong holes *h* made through the rail, thereby adding greater security to the fastening. E E are the ornaments, which may be of any suitable design, and which are made of cast metal. Each ornament serves as a brace to the rails and pickets by reason of having clasps *e e* formed on its sides, which clasps extend back and receive through them the rail on opposite sides of the picket. The ornaments E are also connected to their pickets by means of embracing-loops *e¹ e²*, which receive into them the front sides of the pickets. The loops *e¹* have lugs *h* formed on their rear sides, which are received into holes made through the pickets B, thereby holding the pickets in their places against endwise movement.

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

The metal splicing-pieces G C', and the loop-bolt *e*, with its nut *g*, in combination with rails A and post C, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

TIMOTHY ROGERS.

Witnesses:

SAMUEL ROGERS,
GEORGE S. STRONG.