

T. ROGERS.
Iron-Fences.

No. 133,489.

Patented Nov. 26, 1872.

Fig. 1.

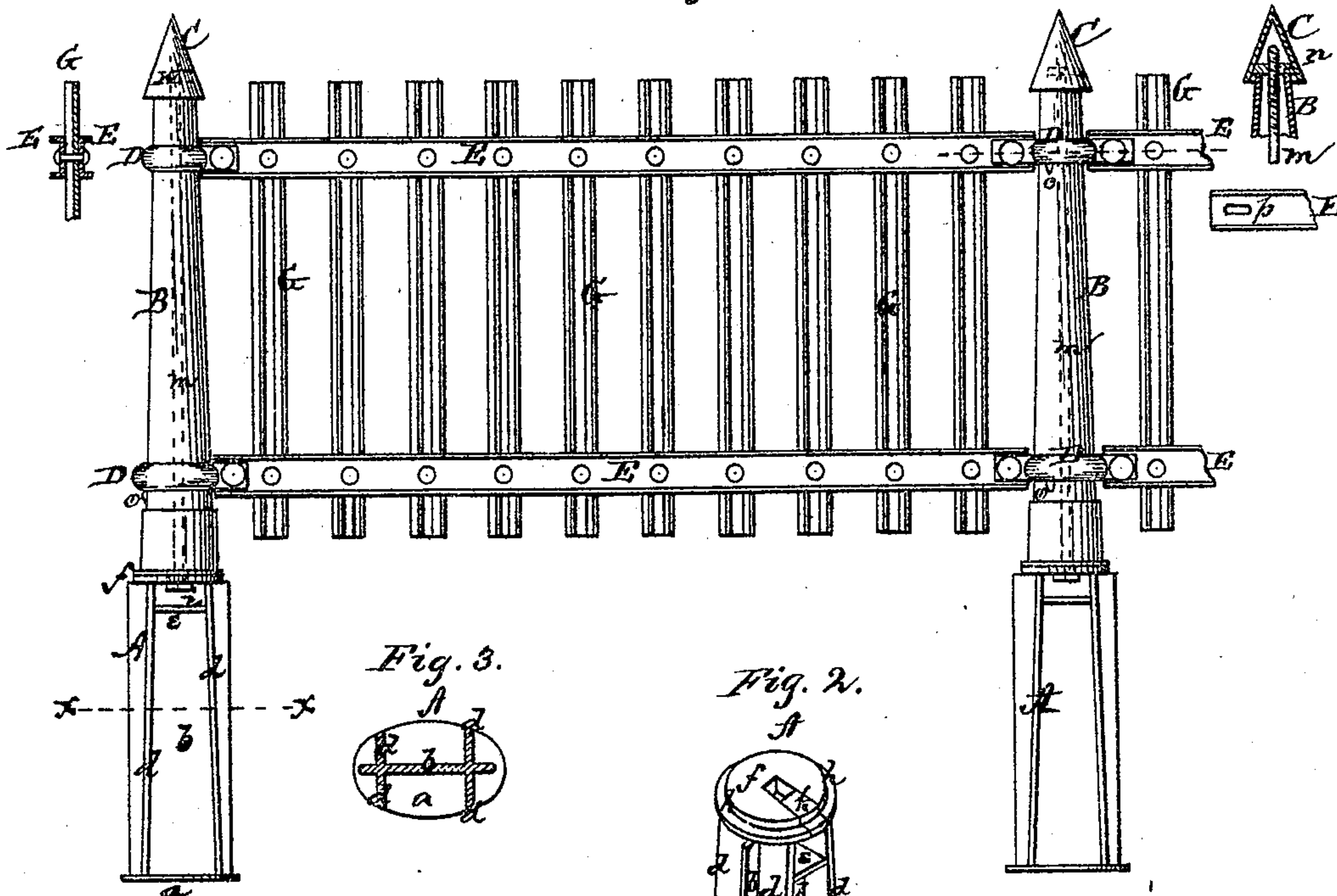


Fig. 3.

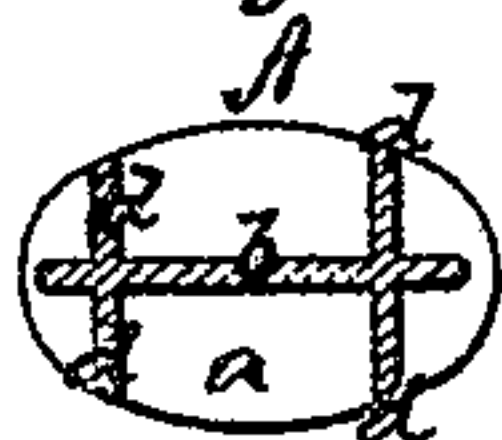


Fig. 2.

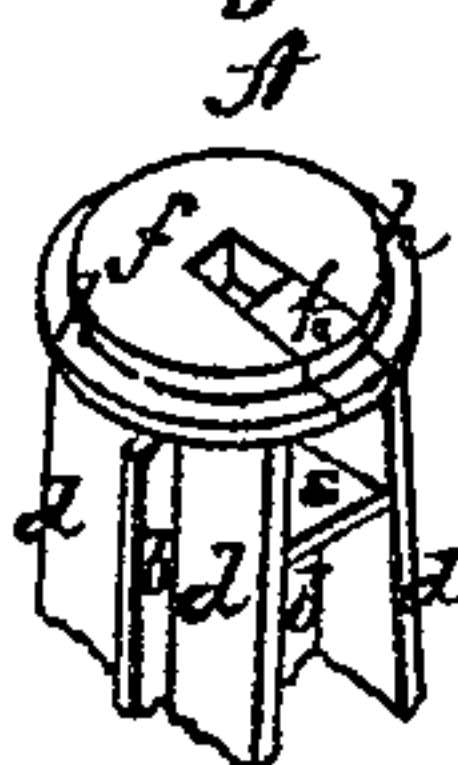
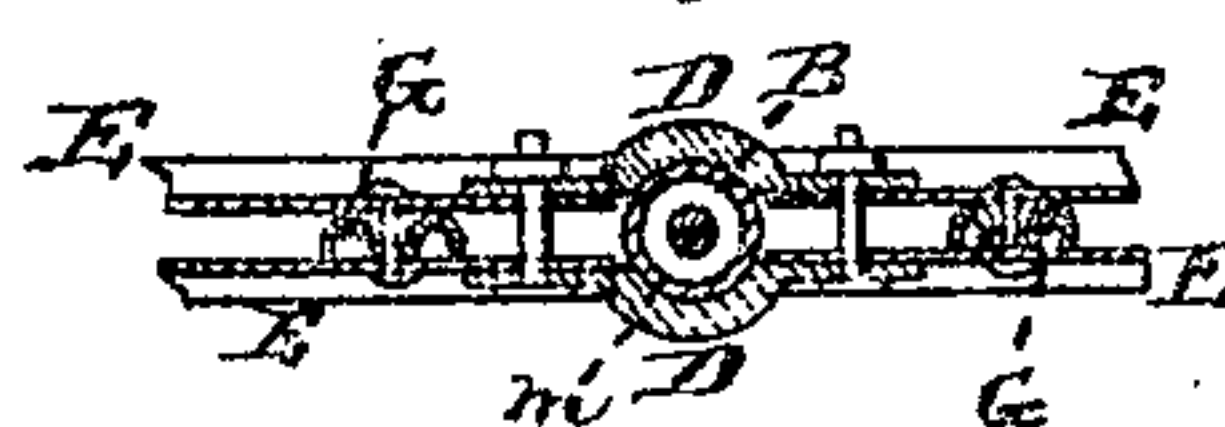


Fig. 4.



Witness:

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UNITED STATES PATENT OFFICE.

TIMOTHY ROGERS, OF FREDERICKTOWN, OHIO.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. 133,489, dated November 26, 1872.

To all whom it may concern:

Be it known that I, TIMOTHY ROGERS, of Fredericktown, in the county of Knox and in the State of Ohio, have invented certain new and useful Improvements in Fence; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my 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 my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front elevation of my fence with small sections thereof at the side; Fig. 2 is a perspective view of the top of the ground-post; Fig. 3 is a cross-section of the same; and Fig. 4 is a horizontal section through line *x x*, Fig. 1.

A A represent the base-pieces of the fence-posts, or that part of each post which goes in the ground. Each of these pieces is composed of a bottom plate, *a*, a central vertical plate, *b*, with a flange, *d*, on each side near each end, as shown in Fig. 3, and a top disk, *f*. The central plate, *b*, is cut out or left with an opening, *i*, at the top, between the flanges *d d*, and from the edge of the central plate at this point is an outward-projecting flange, *e*, on each side. The top disk, *f*, has a shoulder or offset, *h*, on its upper side, and a slot is made through said disk from the outer edge inward to the center, and said slot filled with a slide or bar, *k*, so as to leave an aperture in the center only. This base-piece *A*, as thus constructed, may be cast all in one piece, except the slide or bar *k*, which must, of course, be cast separate; or, the base-piece may be made of two or more pieces united together by any suitable means, if so desired. *B* represents the fence-post, which is made hollow, and its lower end fitting over the shoulder *h*, on the top disk *f*. Before placing the post *B* on the base-piece *A*, said base-piece being firmly planted in the ground, the slide *k* is drawn out and a rod, *m*,

inserted in the slotted head *f*, after which the slide is again inserted. The rod *m* is on its lower end provided with a square head, and the flanges *e e* of the base-piece *A* prevent the rod from falling down, the opening *i* being made only high enough to admit the head of the rod freely. The post *B* is then passed over the rod *m* and placed on the base-piece, the rod projecting above the upper end of the post, and an ornamental cap or top piece, *C*, provided with an interior nut, *n*, is screwed on the upper end of the rod *m*, thus uniting the parts firmly together. In case the rod at any time should break, it can readily be taken out and another put in without disturbing the base, and in removing buildings or in case of fire the whole fence can all be removed in a few minutes, leaving nothing above ground. *D D* represent clips placed around the post *B*, and between their ends are fastened horizontal rails *E E*, between which the pickets *G G* are fastened. On the sides of the posts *B B* are lugs *o o*, to prevent the fence-panels from slipping down on the posts. The rails *E E* are constructed as shown, forming, as it were, a double T-rail, and they have a slot, *p*, at each end, through which passes the bolt connecting them to the clips *D D*. These slots allow of the contraction and expansion of the rails in cold and hot weather. The pickets *G G* are made in the shape of a double-C, as shown in Fig. 4, and riveted by a single rivet through each pair of rails and each picket, thus making the fence adjustable to any incline of the ground.

The clip *D* may be made in two pieces, as shown in Fig. 4, or in one single piece, the latter only to be used where the fence commences or ends.

I am aware of the patent granted to Devoe, Rogers & Beals, March 5, 1872, and I do not in this application lay claim to the invention patented by them. In their patent, the lower end of the rod is hooked into a bail attached to the top of the base; by my construction of the base I dispense with said bail and hook, and am enabled to use a headed rod, as described. I also dispense with the flanges on the fence-posts, attaching the panels to the same by clamps, which are supported by lugs on the exterior surface of the posts.

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

1. The base-piece A, constructed as described, with bottom plate *a*, central vertical plate *b* with flanges *d d* and *e e*, the top disk *f* with shoulder *h* and slide *k*, and the opening *i*, formed in the central plate under the top disk, all substantially as and for the purposes herein set forth.

2. The combination of the base-piece A, constructed as described, rod *m*, post B, and cap C with nut *n*, all substantially as and for the purposes herein set forth.

3. The combination of the post B having

lugs *o o*, clips D D, and rails E E with slots *p*, all substantially as and for the purposes herein set forth.

4. The combination of the base-piece A, rod *m*, post B, cap C, clips D, rails E, and pickets G, when all of said parts are constructed and arranged substantially as shown and described, and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of September, 1872.

TIMOTHY ROGERS.

Witnesses:

WM. J. STRUBLE,
DAN. STRUBLE.