C. A. ROOT & D. W. STRICKLAND.

IRON-FENCE.

No. 189,323. Patented April 10, 1877.

Fig. 1.

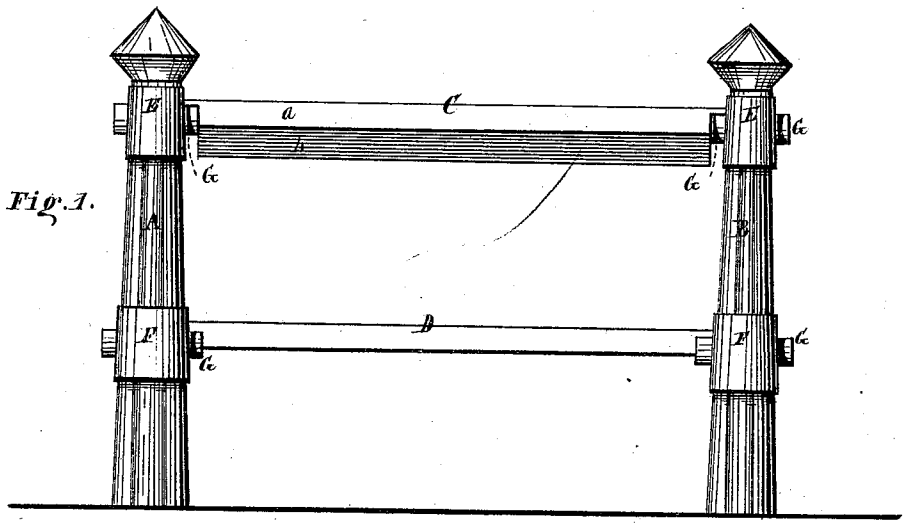

Fig. 4.

Fig. 2.

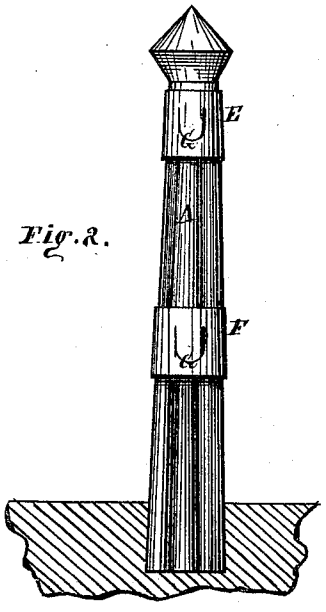

Fig. 3.

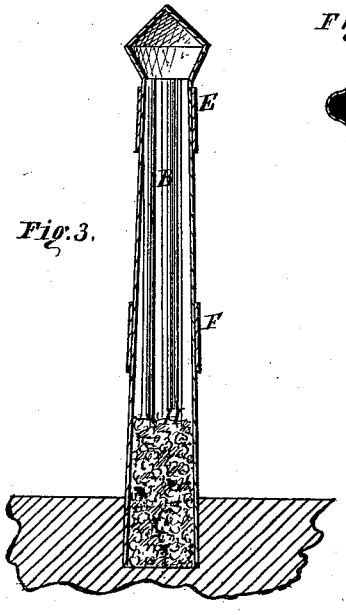

Fig. 5.

Witnesses.

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UNITED STATES PATENT OFFICE.

CORYDON A. ROOT, OF ANDOVER, AND DANIEL W. STRICKLAND, OF WELLINGTON, OHIO.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. **189,323**, dated April 10, 1877; application filed March 3, 1877.

To all whom it may concern:

Be it known that we, CORYDON A. ROOT, of Andover, in the county of Ashtabula and State of Ohio, and D. W. STRICKLAND, of Wellington, in the county of Lorain and State of Ohio, have invented certain new and Improved Fences; and we do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawings, making a part of the same.

Figure 1 is a side view of a section of the fence. Fig. 2 is a detached view of a fence-post. Fig. 3 is a vertical transverse section. Fig. 4 is a transverse section of a rail. Fig. 5 is a transverse section of a post.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a fence, the posts of which consist of sheet metal formed into a tubular tapering shape for a post, and which is longitudinally corrugated or fluted. Said posts, when set in the ground, are filled, or partially so, with broken stone, sand, dirt, or with any other suitable weighty material. The rails or bars of said fence consist of sheet metal, constructed substantially as herein set forth.

In the drawings, A and B represent two of the posts referred to, set in the ground, and connected to each other by the rails or bars C D. Said posts are made of sheet metal, and of the shape shown, or simple modifications of the same, as will be seen in Fig. 5. The post is fluted longitudinally, thus giving additional strength to the post. Said fluting may be more or less, or the post may be without such flutings. E and F are bands clamped around the post, and which are prevented from slipping downward by the taper of the post, and by their being clamped tightly around them.

In the said bands are formed lugs G, in which are inserted the ends of the rails C D, and thereby secured to the posts by any appropriate means.

The posts, when set in the ground in the ordinary way, are then filled, or partially so, with broken stone H, or with any other weighty suitable material—as gravel, sand, dirt, &c.—for the purpose of giving them more solidity and firmness in the ground, and prevent their being too easily turned or blown over. The rails may consist of single bars of wood or metal, to which pickets or upright pieces may be fastened.

As shown in the drawings, the upper rail consists of two sections—a cap, *a*, and a bar, *b*, set edgewise under said cap, as shown in Fig. 4. Said rail may be of wood or of metal. A number of such rails may be used, and thereby dispense with upright pieces or pickets above mentioned.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. A tubular tapering sheet-metal post fluted or corrugated, as herein described, and provided with bands E F and lugs G, substantially as set forth, and for the purpose specified.

2. The rail C, consisting of the cap *a* and bar *b*, in combination with the posts A and B, substantially as herein set forth.

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