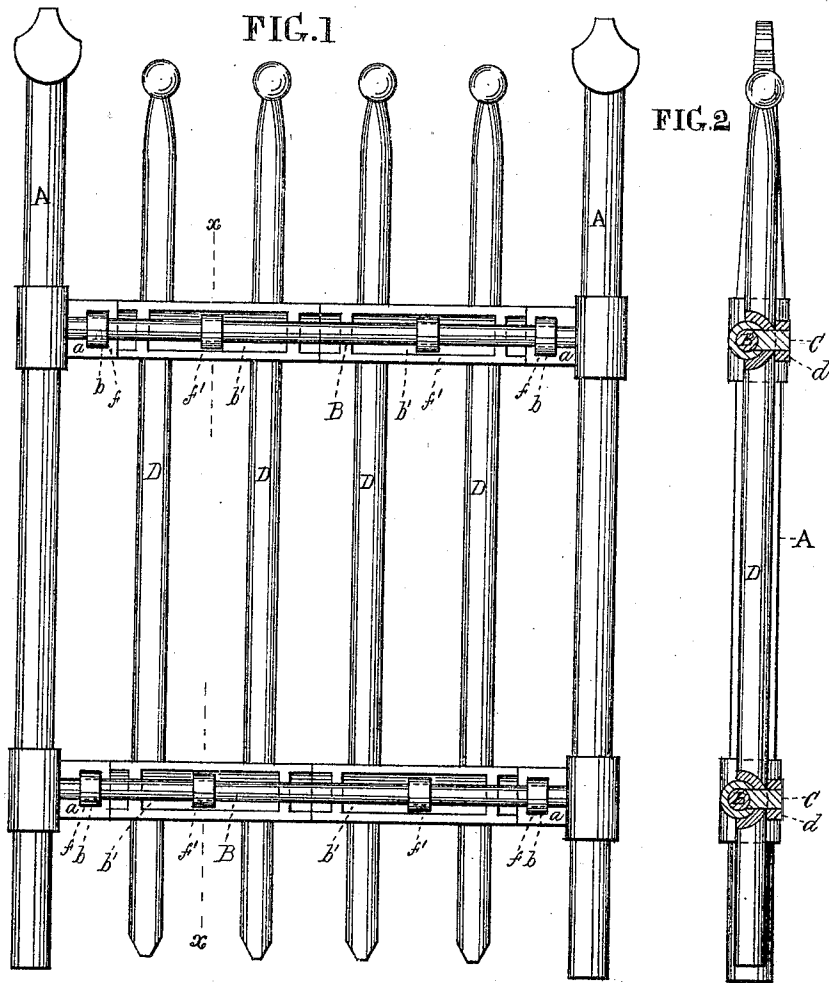


S. CROWELL.
IRON-FENCE.

No. 172,613.

Patented Jan. 25, 1876.



Witnesses.

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SOMMERS CROWELL, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. 172,613, dated January 25, 1876; application filed November 8, 1875.

To all whom it may concern:

Be it known that I, SOMMERS CROWELL, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Iron Fences, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is the construction of a fence in a cheap, durable, and convenient manner; and the invention consists of hollow bearings of the pales and arms of the posts, in combination with eyebolts, which bind the rails or the rods thereon, as herein-after described.

Figure 1 of the drawings is a face view of the rear side of the panel of the fence, which is formed of two posts, the intermediate pales, and the tie-rods. Fig. 2 is a vertical section at the line *xx* of Fig. 1.

Like letters of reference in both figures indicate the same parts.

A A represent the posts of the panel. On the inner side of each post are arms *a a*, for the connection of the ends of the rails or tie-rods B B. For the continuation of a fence in a straight line each way, like arms are used on the opposite sides of the posts, and at the corners of the fence additional arms are used at right angles to the others. The arms have recesses *b* to receive the heads of the eyebolts C and the projecting ends of the rods. The stems of the eyebolts pass through corresponding openings in arms *a*, and are secured by means of nuts *d*, whereby the rods are drawn tightly upon the bearings *f*.

In the drawing I have represented two

pales, D, in a single piece, but any desirable number may be made together.

The pales have recesses *b'* in their rear sides to receive the eyes of bolts and bearings *f'* for the rods B. Eyebolts C pass through the pales in the same manner as through the arms *a*, and draw the rails upon the bearings *f'*.

The pales may be constructed in any convenient form and variety of pattern, and arranged close together, as shown in the drawings, or any desirable distance apart.

When the pales and posts are made of cast-iron the holes of the screw-bolts may make their own cores. I construct the bolts by casting their heads over wrought-iron stems, the eyes being formed in the casting, so that the threads have only to be cut to complete the bolts ready for the nuts.

If desired, the nuts may be omitted, by riveting the ends of the bolts.

The fence-gates may be made in the same manner as the panels, and have the pales of any desirable form.

I claim as my invention—

1. The combination of adjustable eyebolts C with the rods B and posts A, having arms *a* with recesses *b* and bearings *f*, substantially in the manner and for the purpose set forth.
2. The combination of adjustable eyebolts C with the rods B and pales D, substantially in the manner and for the purpose set forth.

SOMMERS CROWELL.

Witnesses:

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