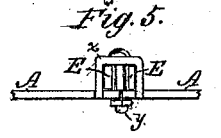
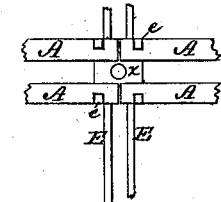
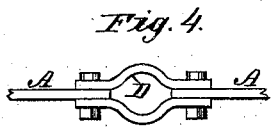
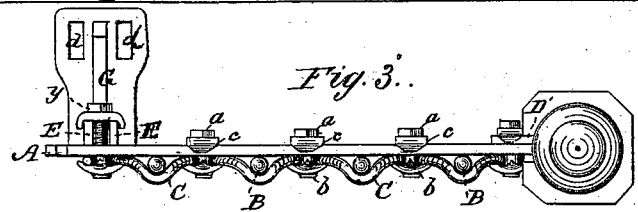
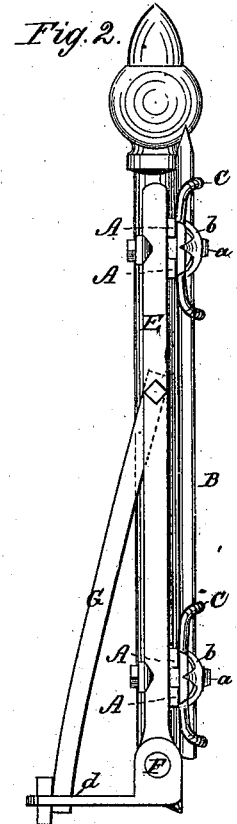
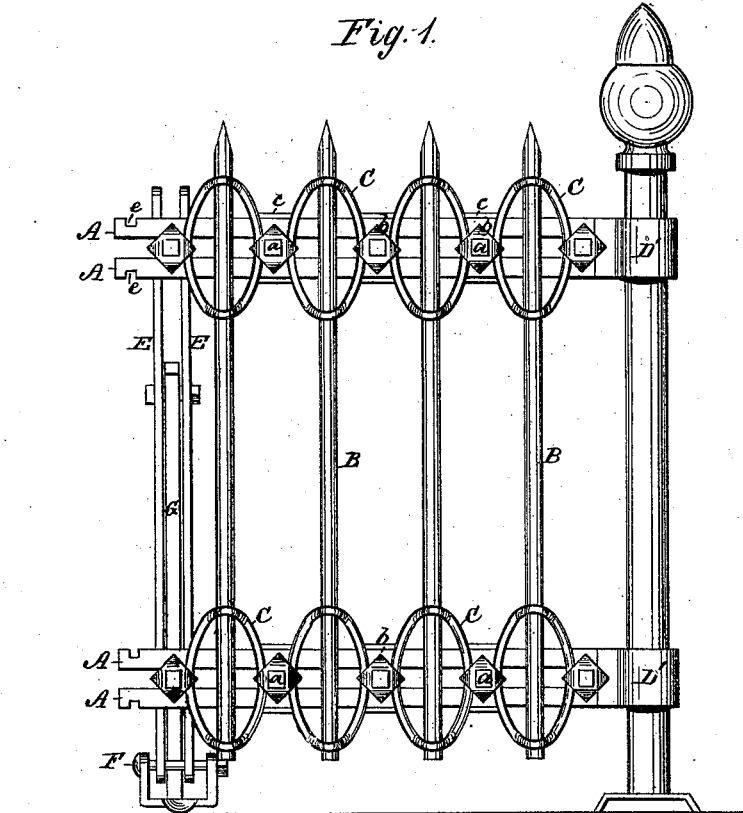


S. H. DICKEY & J. D. DAVIS.
IRON FENCES.

No. 195.103.

Patented Sept. 11, 1877.



WITNESSES:
W. W. Hollingsworth
Edw. W. Boyer

INVENTOR:
S. H. Dickey
J. D. Davis
BY *Wm. T. C.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

SAMUEL H. DICKEY AND JOHN D. DAVIS, OF OXFORD, PENNSYLVANIA.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. **195,103**, dated September 11, 1877; application filed August 9, 1877.

To all whom it may concern :

Be it known that we, SAMUEL H. DICKEY and JOHN D. DAVIS, both of Oxford, in the county of Chester and State of Pennsylvania, have invented a new and Improved Iron Fence; and we do declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of the specification, in which—

Figure 1 is a side view of a panel of my improved fence; Fig. 2, an edge view; Fig. 3, a plan view, and Figs. 4 and 5 are details.

Our invention relates to certain improvements in iron fences, designed to render the same stronger, more durable, and easier of construction in fitting up the same.

The invention consists in the several features of improvement hereinafter described, and pointed out in the claims.

In Fig. 1 of the drawings is shown a section of the fence, each of the rails of which consists of two or more parallel bars, A A, one above the other, and sufficiently wide apart to admit of the passage of a bolt between them.

The pickets B are attached to the rails by a wrought or malleable ornament, C, which covers a portion of the picket, but has a spring of about one thirty-second part of an inch from the rail, which spring is taken up by a clamp or washer, *b*, through which a bolt, *a*, passes, the side of which clamp seizes the side of the ornament, and securely fastens the picket to the rail. This bolt *a* passes through the clamp *b* between the bars of the rail, and through a washer, *c*, which clamps the back part of the bars of the rail, and is secured by a nut, the tightening of which makes the fence tight and complete; but this construction permits the pickets to be readily detached or differently adjusted, when required.

D, Fig. 4, is a clamp for attaching the rails or gates to the posts, and D', Fig. 1, is a wrought or malleable iron clamp for attaching the rails to the terminal posts.

In Figs. 1 and 2 are shown a line-post and brace, which consist of two parallel perpendicular bars of iron, E E, which are fastened to the base by means of a pivot-rod, F, pass-

ing through a perforation in the lower end of each bar, and secured at each side in lugs on the base. The bars move freely on the rod, thus allowing the post to be adjusted in the line of the fence.

Bolted to the bars E is a brace-rod, G, arranged at an angle suiting the fence, and attached to the base by being run into slots *d* in the base, and secured therein by a key, the slots *d* and pivot-bar F allowing the brace G and bars E to be adjusted to any position to suit the fence by moving the brace from one to the other of said slots.

Fig. 5 shows how the line-posts hold the rails when the ends of the rails come together. Each of the parallel bars of iron in the rail has a slot, *e*, cut in it, and outside or inside of the rail is a clamp, *x*, with lugs to correspond with these slots, while in the center of the clamp is a bolt-hole, through which a bolt passes back and through between the rails, through the perpendicular bars of the post and a washer, and is secured behind with a nut.

We do not claim, broadly, securing or holding pickets by clamps or ornamental pieces.

Having thus described our invention, what we claim as new is—

1. The pairs of parallel bars A A, arranged one above the other, in combination with the pickets B, the springing ornament C, the bolt *a*, clamp *b*, and washer *c*, said bolt passing through the slot or space between each two rails of a pair, and holding the pickets and ornaments by friction with the rails, substantially as and for the purpose described.

2. The line-post and brace, consisting of the pivoted parallel bars E E, the pivot-rod F, the brace G, and the slotted base, substantially as described, for the purpose of adapting the post to the line of the fence.

3. The clamp *x* and bolt *y*, for holding the rails at their junction, in combination with the slotted rails and the posts, as set forth.

SAMUEL H. DICKEY.
JOHN D. DAVIS.

Witnesses:

E. H. ROLLINS,
J. M. EBERTS.