R. MORGAN.

Wrought Iron Fences.

No. 197,391 Patented Nov. 20, 1877.

Fig. 1.

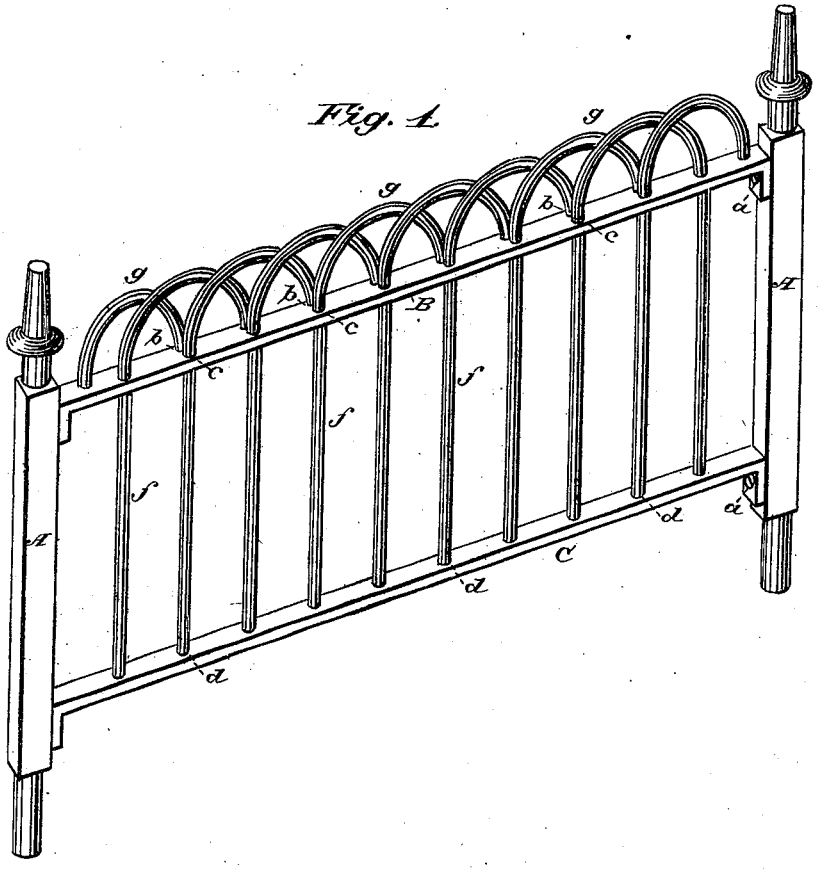
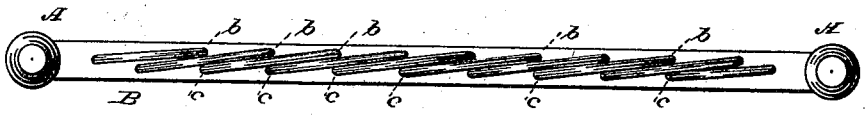


Fig. 2.



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UNITED STATES PATENT OFFICE.

RICHARD MORGAN, OF JOHNSTOWN, PENNSYLVANIA.

IMPROVEMENT IN WROUGHT-IRON FENCES.

Specification forming part of Letters Patent No. **197,391**, dated November 20, 1877; application filed August 21, 1877.

To all whom it may concern:

Be it known that I, RICHARD MORGAN, of Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Fences; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective, and Fig. 2 a top view.

Similar letters of reference indicate corresponding parts in both the figures.

My invention relates to wrought-iron fences; and it consists in the construction and combination of the rods or parallels with the top and bottom rails, substantially as hereinafter more fully described.

In the drawing, A A are the posts. B is the top and C is the bottom rail, which are secured to posts A A by screws or bolts *a*. The top rail B has a series of holes or perforations, *b c*, arranged in pairs at equidistant intervals, while the bottom rail C has only a single central line of perforations, denoted by *d*. Each of the rods or parallels consists of a straight part, *f*, and a curved or semicircular top, *g*, and the rods are inserted into the rails in the manner shown in the drawing—that is, the short end of the curved top *g* is inserted into one of the perforations *h*, and the long or straight end *f* through the perforation *c* next but one to it. The second rod is similarly inserted, and so on, the top parts overlapping or crossing each other, with their short ends terminating in the perforations *b*, while the straight or long ends pass through the perforations *c* parallel to each other, terminating in the perforations *d* in the lower or bottom rail.

By this arrangement of the rods I obtain a fence which combines great stiffness and strength with elegance of appearance. The curved tops *g* serve to brace and support each other, and are not easily bent or otherwise injured, as is the case with this class of fences as ordinarily constructed.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in metallic fences, the rigid confinement of the extremities of the curved portion of the rods *f* in holes *b* in the upper rail B, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

RICHARD MORGAN.

Witnesses:

JAMES POTTS,

T. E. MORGAN.