

H. L. JONES.
Iron Fence.

No. 201,616.

Patented March 26, 1878.

Fig. 1.

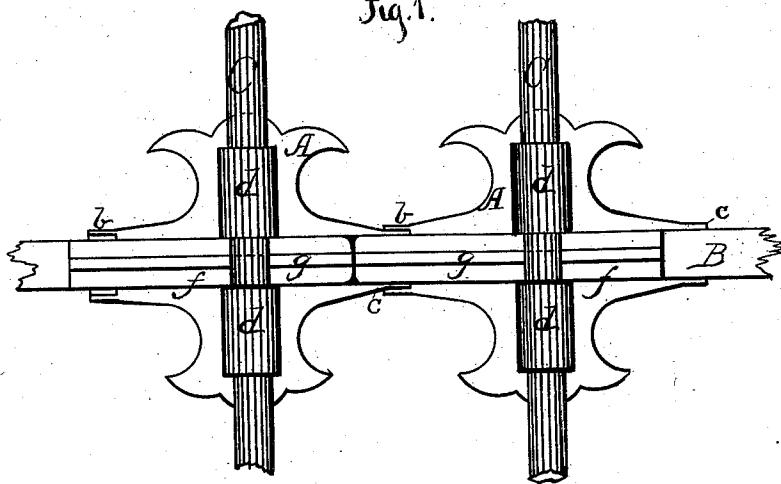
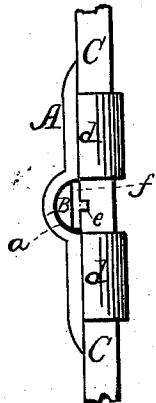


Fig. 2.



Witnesses:
J. H. Parsons
J. R. Drake.

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UNITED STATES PATENT OFFICE.

HENRY L. JONES, OF BUFFALO, NEW YORK.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. **201,616**, dated March 26, 1878; application filed December 31, 1877.

To all whom it may concern:

Be it known that I, HENRY LUCIUS JONES, of Buffalo, in the county of Erie and State of New York, have made certain Improvements in Iron Fences, of which the following is a specification:

The object of this invention is to provide a simpler and cheaper construction in iron fences, and one that can be sent to any distance and be put up by the purchaser himself, and without any screws, rivets, &c., the parts being perfect in themselves, and each one combining with the others without extra fitting; and my invention consists in the mode of interlocking the rail, rail-holder, and picket together, all as hereinafter fully specified.

In the drawings, Figure 1 represents a back elevation of a portion of a fence; Fig. 2, a detail view, being a side elevation, showing the fastening of the picket to the holder.

A represents the picket and cross-rail holder, cast in one piece, of any suitable or ornamental form, but having a long longitudinal hollow, *a*, therein for the cross-rail *B* to set in. These holders will be made of uniform size, and set end to end, as in Fig. 1, one end, *b*, of each formed with a recess, so that the end *c* of the other, which is beveled off, can set into it, and so on, for the purpose of allowing of an expansion of space, if desired, or a contraction, when necessary. On the back of these holders *A* is formed or cast rings or loops *d d*, and through which the picket *C* sets upright, as shown. To hold these pickets securely together I saw out a slot, *e*, (see Fig. 2,) in each picket, and insert a key, *f*, with a feather, *g*, thereon, between the cross-rail *B* and the picket, the feather *g* going into the slot *e*, and thus fastening the holder *A*, the cross-rail *B*, and the picket *C* all immovably together, and without extra parts, rivets, screws, or having to drill a single hole. It can all be put together by the purchaser himself, and without any skilled assistance.

The key *f g* can be made separate or form-

ing a part of the cross-rail itself, and set in the hollow of the holders, and the feather thereon pushed into the slot of the picket all at the same time, making one continuous fastening for a considerable length in the fence; or the keys can be made and driven in separately, as may be most convenient. The top of the key *f* comes flush with the back of the holder *A*, only the feather protruding into the slot in the picket.

Its simplicity of construction is very favorable to its being shipped in bulk to any point and put up without skilled labor or particular directions.

The only work to finish this fence after being cast, &c., is to cut off the pickets to the required length, also the cross-rails, and saw out the small slots in the pickets. The fence is then ready for shipment and putting up.

In other iron fences that I am acquainted with the cross-rail is a T-rail, and goes through separate clips, and the picket is held in the ornamental holder by lugs on the loops, and also by the T-rail. Mine is all held together by the key alone.

The different lengths of my cross-rail *B* may meet in the holder, and, if so, the key *f* will cover the two ends.

I claim—

1. In an iron fence, the combination of the picket and rail-holder *A*, the cross-rail *B*, picket *C*, and the key *f g*, all constructed substantially as specified.

2. The combination of the picket *C*, having one or more right-angled slots, *e*, therein, the key or keys *f*, with the feather *g* to fit therein, and the picket and rail-holder *A*, all substantially as and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

HENRY LUCIUS JONES.

Witnesses:

J. K. DRAKE,
T. H. PARSONS.