

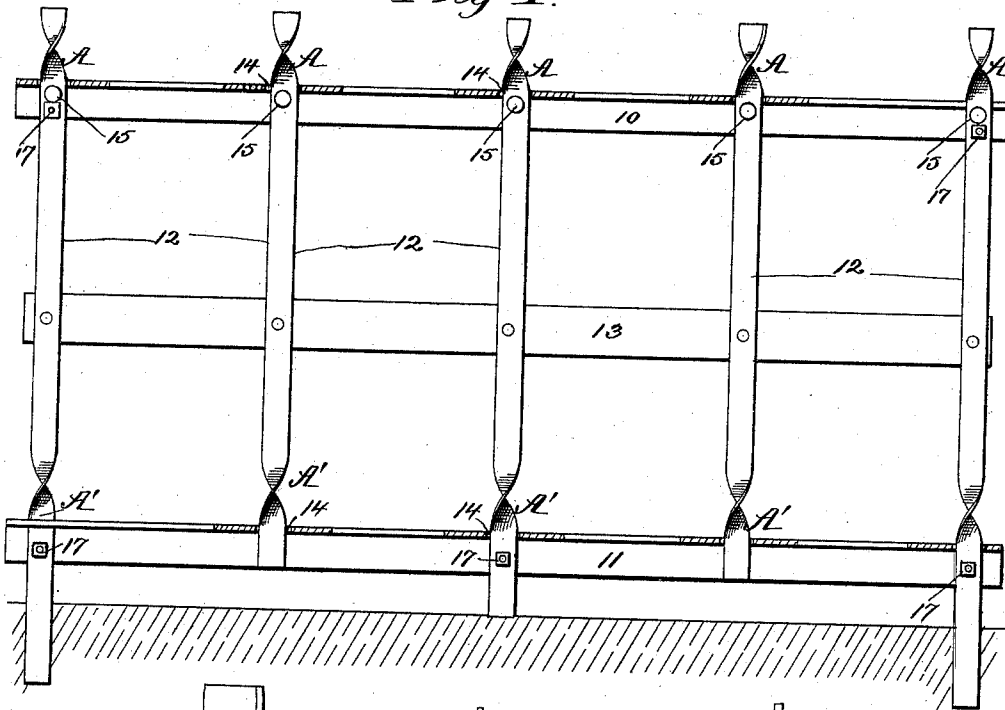
(No Model.)

J. BAKER.  
FENCE.

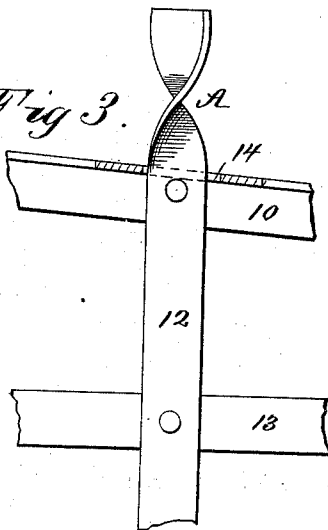
No. 476,120.

Patented May 31, 1892.

*Fig 1.*



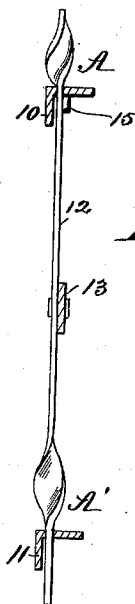
*Fig 3.*



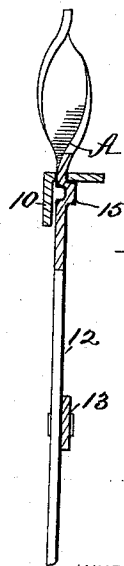
WITNESSES:

*A. A. Oak*  
*C. Sedgwick*

*Fig 2.*



*Fig 4.*



INVENTOR:

*J. Baker*  
BY

*Munn & Co*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JULIUS BAKER, OF PITTSBURG, PENNSYLVANIA.

## FENCE.

SPECIFICATION forming part of Letters Patent No. 476,120, dated May 31, 1892.

Application filed September 18, 1891. Serial No. 406,093. (No model.)

### *To all whom it may concern:*

Be it known that I, JULIUS BAKER, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Fences, of which the following is a full, clear, and exact description.

My invention relates to an improvement in fences, especially fences constructed of metal, and has for its object to provide a fence capable of being erected in an expeditious, convenient, and economical manner, and also so to construct the fence that it may be light and durable and the upper and lower rails be capable of location at any desired angle to their supporting posts or rails.

The invention consists in certain features of construction and combinations of parts, as will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of a section of the fence, portions thereof being in section. Fig. 2 is a central vertical section through the fence. Fig. 3 is an enlarged detail view of one picket and the upper and intermediate rails or bars. Fig. 4 is an edge view of one of the pickets, partly in section, the top and intermediate rails or bars being likewise in section.

The fence may be said to consist, primarily, of a top rail 10, a bottom rail 11, a series of pickets 12, and a longitudinal tie-rail 13. The top and bottom rails are preferably made somewhat L-shaped in cross-section; but they may consist of a straight bar, or may be otherwise shaped as in practice may be found desirable. The lower rail or bar 11 is of like construction to the upper rail or bar, and both the upper and lower rails or bars, which are designed to be horizontally located one parallel with the other, are provided with a series of longitudinal slots or openings 14, arranged at predetermined intervals apart.

The pickets 12 are formed of flat metal strips and are of slightly less width than the

slots 14 to allow the fence to be inclined to correspond with the surface of the ground. Each picket has formed on it near its upper end a projection or offset 15, resting against the lower face of the upper rail 10 to support it.

The fence is assembled as follows: The pickets are provided with the offsets 15 by indenting one side with a suitable instrument, and thereby forcing the metal out at the outer side in button-like shape, as shown clearly in Fig. 4. The rails 10 11 are provided with suitable slots 14, and holes for the rivets are formed in the rail 13 and the pickets. The pickets thus formed are passed at their lower ends through slots 14 of the lower rail 11 and then twisted, as shown at A', certain of the pickets being bolted to the rails by bolts 17. The central rail 13 is now riveted to the several pickets. The upper ends of the pickets are finally passed through the slots in the top rail until the rail rests on the offsets 15, when the upper ends of the pickets are each twisted, as at A, thus securely locking them and the top rail together. The upper bolts 17 are then applied. Some of the pickets project far enough below the lower rail to enter the earth and assist in supporting the fence, and other intermediate pickets extend to the ground-line.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A fence consisting in the upper and lower rails, each having a series of longitudinal slots 14, a series of flat metal pickets extending at their ends through the slots of the respective rails and twisted above both rails, an offset 15, punched through from one side of the pickets and resting against the under side of the top rail, bolts connecting certain of the pickets with the said rails, and a central rail riveted to the pickets between their ends, substantially as set forth.

JULIUS BAKER.

Witnesses:

I. CHAS. DICKEN,  
B. F. RYND.