Sept. 2, 1930. J. N. ALLAIN 1,774,784

CONCRETE FENCE

Filed June 16, 1928

Fig. 1.

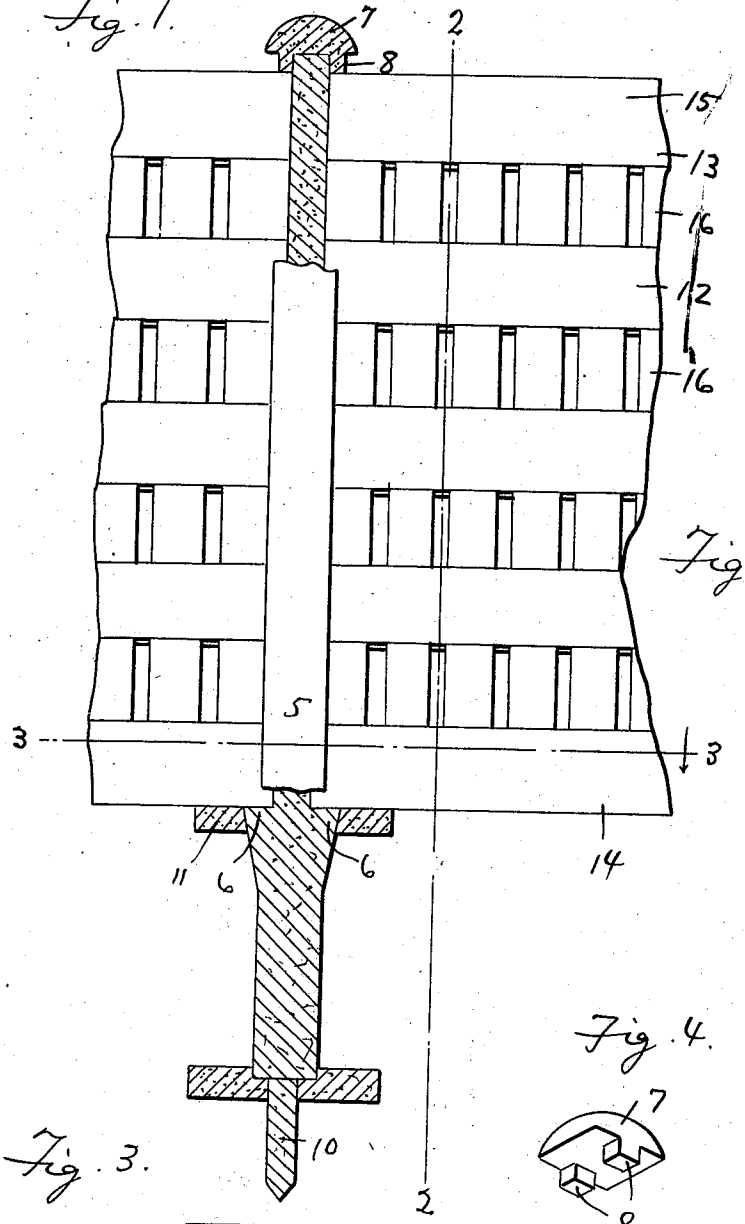


Fig. 2.

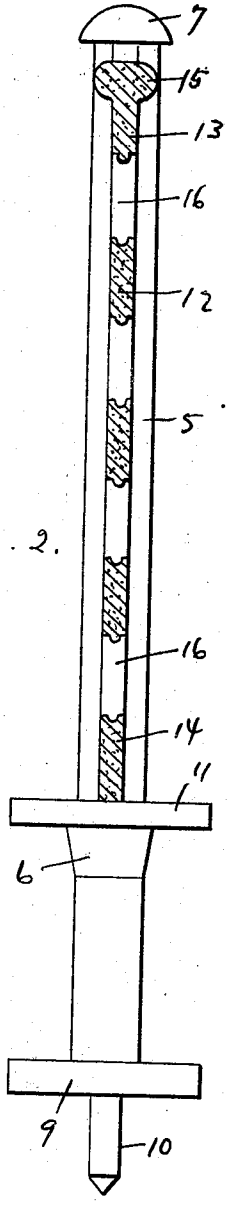


Fig. 3.

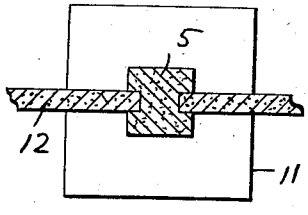


Fig. 4.

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UNITED STATES PATENT OFFICE

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CONCRETE FENCE

Application filed June 16, 1928. Serial No. 286,020.

This invention relates to an improved concrete fence discovered in an effort to produce a structure which is an improvement upon known patented and marketed fences of the same general class.

What I have endeavored to do is to provide a structural achievement in the art, which is easy to erect, sturdy and reliable when in operative position, ornamental in appearance, and capable of fulfilling the requirements of a structure of this class in a dependable and efficient manner.

The novelty is predicated upon the details and their particular relationship and will become more readily apparent from the following description and drawings.

In the drawings:

Figure 1 is a fragmentary sectional and elevational view of a portion of a concrete fence constructed in accordance with the present invention.

Figure 2 is a vertical section taken approximately upon the plane of the line 2—2 of Figure 1.

Figure 3 is a horizontal section on the line 3—3 of Figure 1, and

Figure 4 is a perspective view of a special post top.

Referring to the drawing by numerals it will be seen that the post 5 is characterized by the presence of a pair of opposite grooves or channels and a pair of outstanding shoulders 6, located adjacent the bottom.

Fitted on the top of this post is a cap 7 of appropriate configuration having a pair of spaced lugs 8 receivable in the grooves in an obvious manner. The lower end of the post rests in a seat formed in the upper side of a foot plate 9, which is located in the bottom of the hole in the ground. Associated with this plate 9 is a small separate pile 10 which serves to steady and center the post and also associated with the shoulders 6 is a similar plate 11, forming a facing or ground line plate.

Attention is now invited to the horizontal rails in the form of concrete slabs 12. To effect a distinction, the intermediate slabs are represented by the reference characters 12, the top rail or slab by the reference character 13 and the lower one by the reference character 14. The top slab is formed with an ornamental rib 15. The lower or bottom slab 14 is located on the ground and rests upon the plate 11 and the shoulders 6, whereby it is afforded a firm and dependable balance. These rails or slabs are provided with tongues and grooves for cooperation with the short vertical concrete pickets 16. It follows too that the pickets are formed with tongues and grooves for cooperation with the complemental parts of the rail. The pickets are located in longitudinally spaced relation to provide an open work design.

In practice, the pile 10 is anchored in the bottom of the hole and the plate 9 is set in position, and then the form (not shown) is set in place and the concrete is poured for making the post. The post as well as the other parts may be completed and shipped to the place of erection, since the parts are interchangeable and then revised to permit quick erection of a concrete fence of this construction.

It is obvious that the grooves in the sides of the post serve to receive the end pickets and the ends of the horizontal rails. It is thought that a clear understanding of the method of construction will be had after considering the invention with the drawings. Therefore a more lengthy description is regarded unnecessary.

Minor changes in the shape and size coming within the field of invention claimed may be resorted to if desired.

I claim:

A concrete fence comprising a plurality of posts having longitudinally extending grooves on two opposite faces of each post, a plurality of concrete slabs having their ends adapted for reception in the grooves of the post for connection with said post, a plurality of spaced concrete pickets mounted between the slabs and having a tongue and groove connection with the mentioned slabs, said post having ground engaging shoulders formed thereon, a concrete plate carried by the post adjacent said shoulders, and cooperating with said shoulders to provide a supporting

surface for the lowermost horizontal slab, and caps on the posts having lugs receivable in the grooves of the post, the lower ends of the lugs resting upon the upper longitudinal edges of the uppermost slabs.

In testimony whereof I affix my signature.

JOSEPH N. ALLAIN.