Nov. 17, 1953 B. CLENDENIN 2,659,578

PERMANENT PICKET FENCE

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Fig. 1.

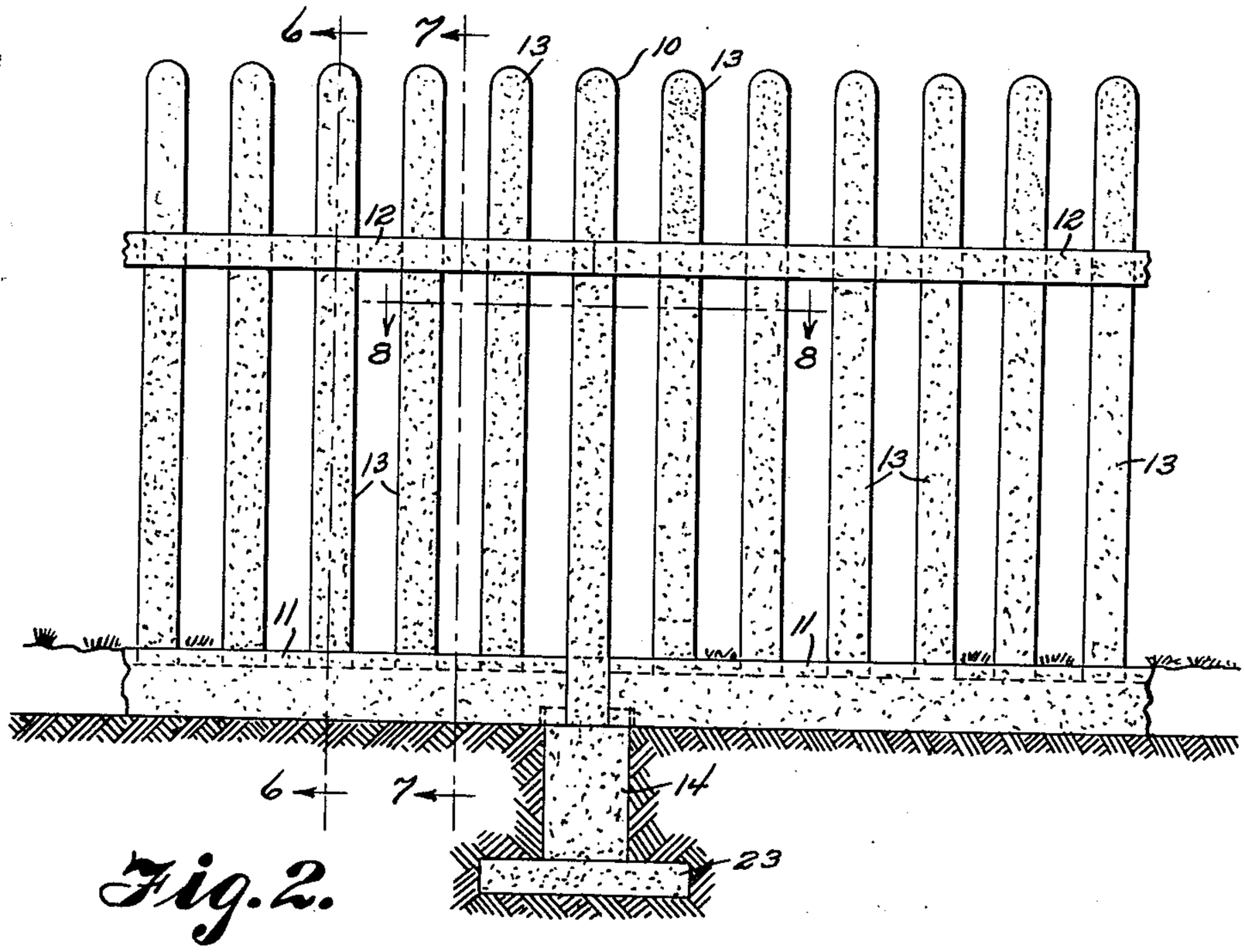
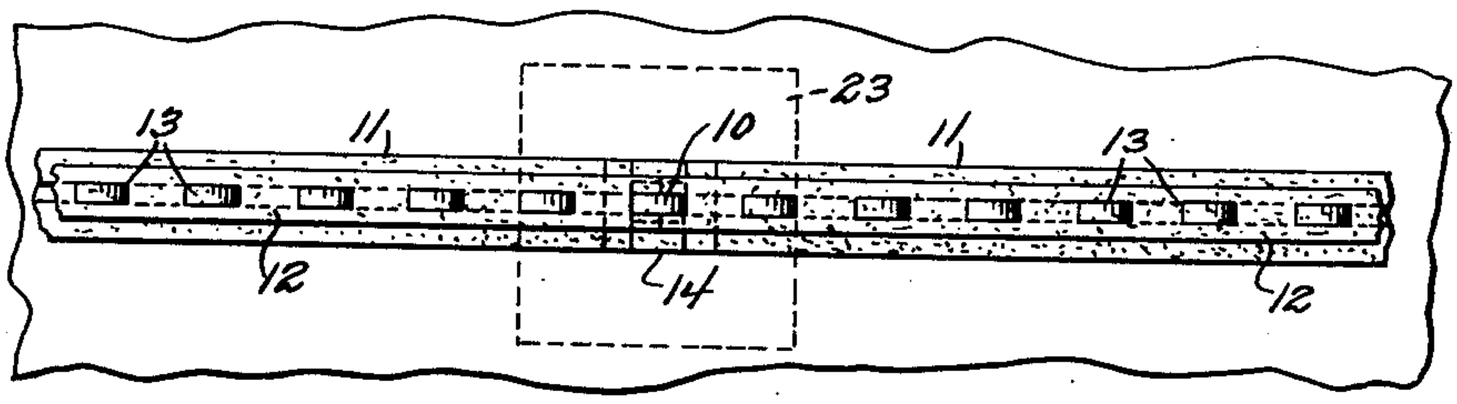


Fig. 2.



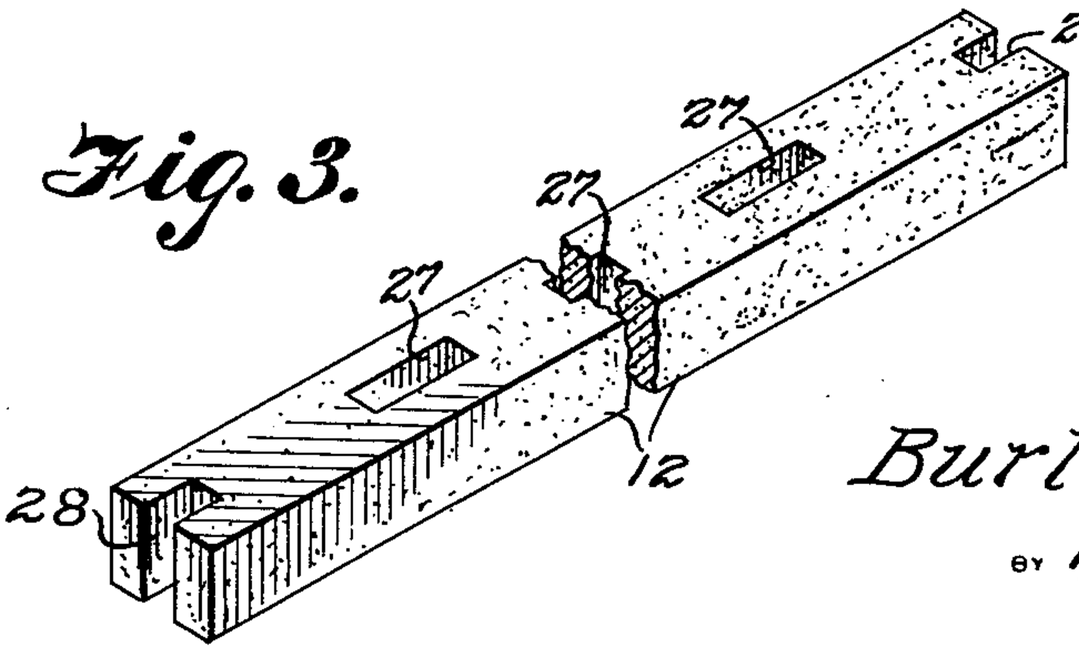


Fig. 3.

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Fig. 4.

Fig. 6.

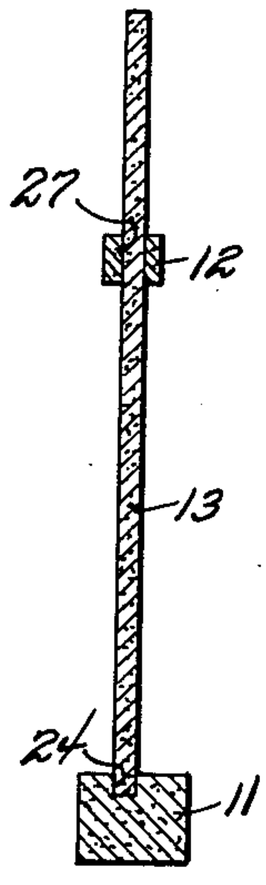


Fig. 7.

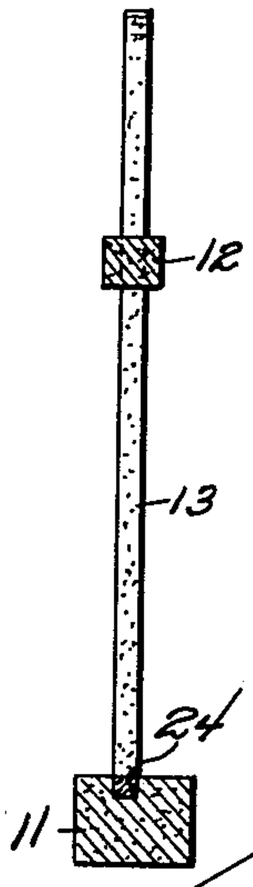
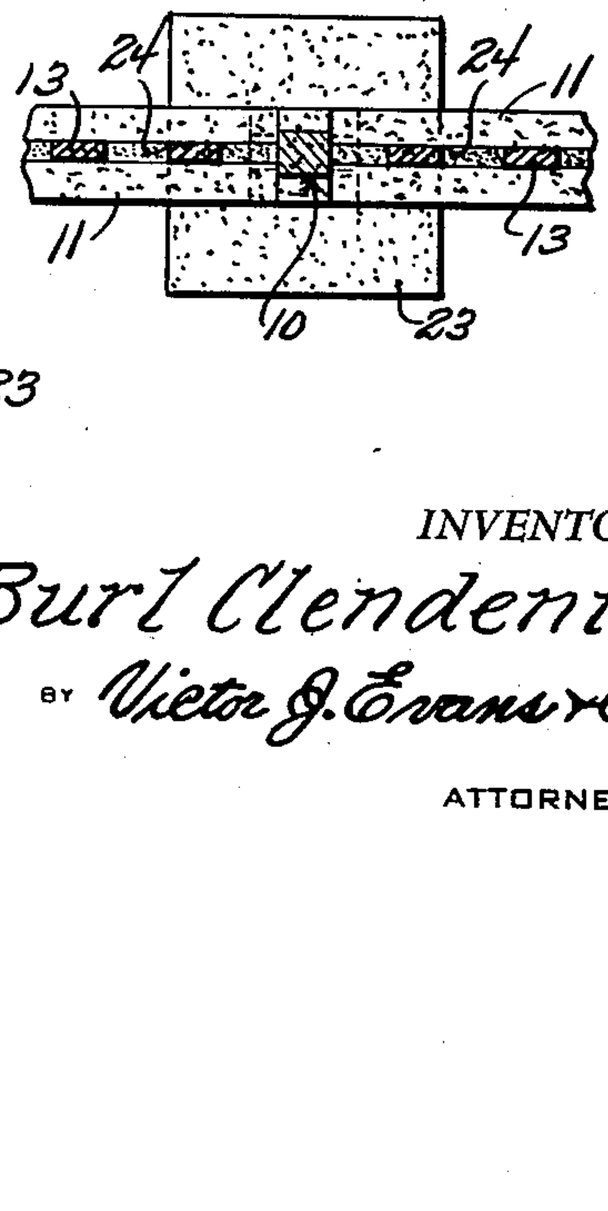


Fig. 5.

Fig. 8.



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PERMANENT PICKET FENCE

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Application October 6, 1952, Serial No. 313,317

4 Claims. (Cl. 256—19)

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This invention relates to a picket fence of substantially the permanent type, and in particular a fence having posts, rails and pickets formed of concrete with the posts set on concrete footings in the ground, with lower rails positioned in the ground and having longitudinally disposed slots for receiving the lower ends of the pickets and with upper rails having openings through which the upper ends of pickets extend and positioned to rest on shoulders of the pickets and also shoulders at the sides of the posts.

The purpose of this invention is to provide a picket fence that is substantially of permanent construction.

Picket fences have been made of various materials and designs and concrete has been used for fence posts and other parts of fences, however, a complete concrete fence has been considered objectionable because of the connections between the parts. With this thought in mind this invention contemplates a complete concrete fence in which the parts are assembled without nails, bolts, or other fastening elements.

The object of this invention is, therefore, to provide means for forming posts, rails, and pickets of a concrete fence wherein the parts may be assembled with interlocking connections.

Another object of the invention is to provide a complete concrete fence that is adapted to be assembled and installed by the average layman.

A further object of the invention is to provide a complete concrete fence which is of a simple and economical construction.

With these and other objects and advantages in view the invention embodies a concrete fence having posts with footings and with keys spaced from the lower ends and shoulders spaced from the upper ends, lower rails having elongated slots in the upper surfaces and notches in the ends positioned to receive the keys of the posts, pickets positioned in the slots of the lower rail and upper rails having openings through which the upper ends of the pickets extend and having notches in the ends for receiving edges of the posts.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings, wherein:

Figure 1 is a front elevational view illustrating a concrete fence formed with the parts of this invention and showing the lower end of a post and bottom rails of the fence positioned in the ground.

Figure 2 is a plan view looking downwardly upon the upper edge of the fence.

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Figure 3 is an enlarged detail illustrating one of the upper rails of the fence.

Figure 4 is an enlarged perspective view showing one of the fence posts.

Figure 5 is an enlarged detail illustrating one of the bottom rails of the fence with part of the rail broken away.

Figure 6 is a cross section through the fence taken on line 6—6 of Fig. 1.

Figure 7 is a cross section through the fence taken on line 7—7 of Fig. 1.

Figure 8 is a detail showing a sectional plan through the fence taken on line 8—8 of Fig. 1.

Referring now to the drawings wherein like reference characters denote corresponding parts the improved concrete fence of this invention includes posts 10, bottom rails 11, upper rails 12, and pickets 13.

As illustrated in Fig. 4 the posts 10 are provided with footing sections 14, which extend at the sides of the posts providing shoulders 15 and 16 and the shoulders are provided with keys 17 and 18, respectively. The outer side or face of the posts is provided with a lower shoulder 19 positioned to correspond with the upper surfaces of the lower or bottom rails and upper shoulders 20 which are positioned to provide a rest or stop for the upper rails 12. The upper ends of the posts are formed similar to the upper ends of the pickets 13 whereby the top of the fence extends continuously over the posts.

The inner surface of the posts is also provided with a shoulder, as indicated by the numeral 21 and from the shoulder 21 the inner surface slopes downwardly providing a beveled section 22 that extends to the inner surface of the footing 14. In installing the posts a slab of concrete or base, as indicated by the numeral 23 is positioned in the ground and after the footing has set the post is placed thereon.

The lower rails 11 are provided with elongated slots 24 in the upper surfaces and recesses 25 and 26 that are positioned to receive the keys 17 and 18 on the side surfaces of the posts are provided in the ends.

The upper rails 12 are provided with vertically disposed openings 27 which receive the upper ends of the pickets and notches 28 and 29 are positioned in the ends to receive the edges of the pickets forming the upper ends of the posts.

The keys 17 and 18 on the lower ends of the posts, the slot 24, and the recesses 25 and 26 may be spaced a greater distance from the yard side of the fence, than from the outside thereof whereby the upper surfaces of the lower rails

on the yard or inside of the fence are adapted to form a track for a lawn mower wheel to facilitate trimming on the inside of the fence.

The pickets 13 are provided with shoulders on the sides to correspond with the shoulders 20 and 21 of the posts whereby a substantially continuous support is provided for the upper rail.

The upper ends of the pickets may be rounded or formed substantially semi-circular as shown in the drawing and the upper ends of the posts may be provided in various designs as may be desired. It will also be understood that corner posts with one of the shoulders and keys positioned at a right angle to the other may be provided. After the pickets are in position in the slots 24 of the lower rails the sections of the slots between the pickets are filled with concrete.

It will be understood that other modifications, within the scope of the appended claims, may be made in the design and arrangement of the parts without departing from the spirit of the invention.

What is claimed is:

1. A concrete fence comprising a post having an enlarged lower end providing a footing and having shoulders with keys thereon positioned on the upper end of the footing and at each side of the post, said post also having shoulders spaced from the upper end thereof, a lower rail having a continuous longitudinally disposed slot in the upper surface and recesses in the ends and positioned in the lower surface, said recesses adapted to receive the keys at the sides of the posts, spaced pickets positioned in said slots of the lower rails and extended upwardly therefrom, and an upper rail having spaced openings therein resting upon the shoulders spaced from the upper ends of the pickets with the pickets extended through the openings therein and also resting upon the shoulders spaced from the upper ends of the posts.

2. A concrete fence comprising a post having an enlarged lower end providing a footing and having shoulders with keys thereon positioned on the upper end of the footing and at each side of the post, said post also having shoulders spaced from the upper end thereof, a lower rail having a continuous longitudinally disposed slot in the upper surface and recesses in the ends and positioned in the lower surface, said recesses adapted to receive the keys at the sides of the posts, spaced pickets positioned in said slots of the lower rails and extended upwardly therefrom, and an upper rail having spaced openings therein resting upon the shoulders spaced from the upper ends of the pickets with the pickets extended through the openings therein and also resting upon the shoulders spaced from the upper ends of the posts, said upper rails having notches in the ends positioned to receive edges of the upper parts of the posts.

3. In a concrete fence, the combination which comprises a concrete post having shoulders at the sides and spaced from the upper end and also having shoulders with keys thereon at the edges and spaced from the lower end, lower rails having recesses in the under surfaces and positioned at the ends for receiving the keys on the shoulders spaced from the lower end of the post, upper rails having spaced openings therethrough for receiving pickets and having notches in the ends positioned to nest over edges of the posts with the ends resting upon the shoulders spaced from the upper end of the post, and pickets mounted on the lower rails and extended through the openings of the upper rails.

4. In a concrete fence, the combination which comprises a post having shoulders with keys on the upper surfaces spaced from the lower end and positioned on opposite edges thereof, said post also having shoulders on the side surfaces and spaced from the upper end, said post being for use on a footing including a slab positioned in the ground, a lower rail having recesses in the lower surface and positioned at the ends, said recesses adapted to receive the keys on the shoulders spaced from the lower ends of the posts, said lower rail having a continuous longitudinally disposed slot in the upper surface, pickets positioned with the lower ends in the slot in the upper surface of the lower rail and having shoulders spaced from the upper ends with the shoulders spaced from the upper ends of the pickets positioned at the same elevation as the shoulder spaced from the upper ends of the posts, and an upper rail having notches in the ends positioned to receive edges of the posts and having spaced openings therethrough positioned to receive the pickets whereby the upper rails are carried on the shoulders of the post and shoulders of the pickets.

BURL CLENDENIN.

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