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CONCRETE FENCE.  
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948,834.

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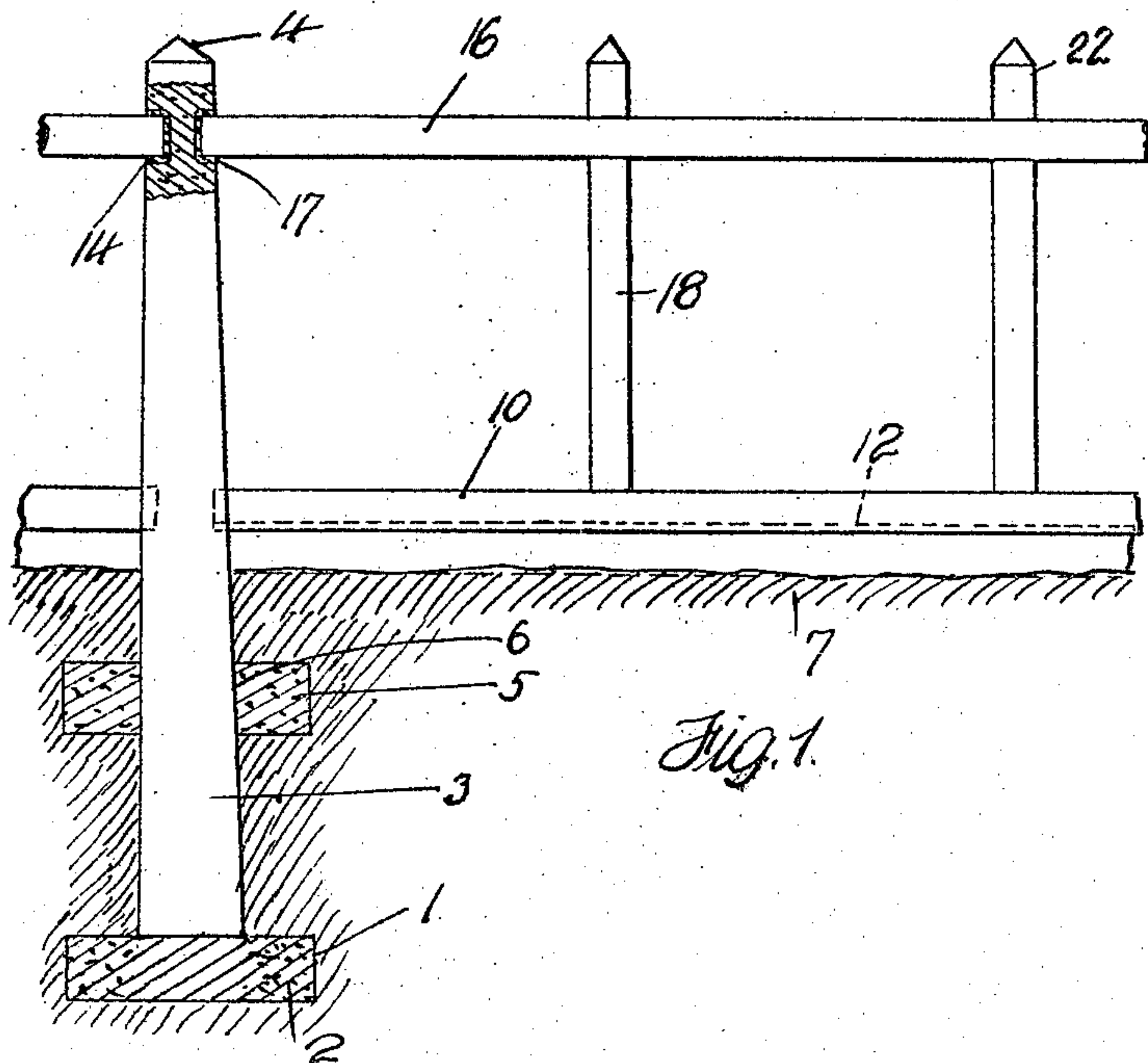


Fig. 1.

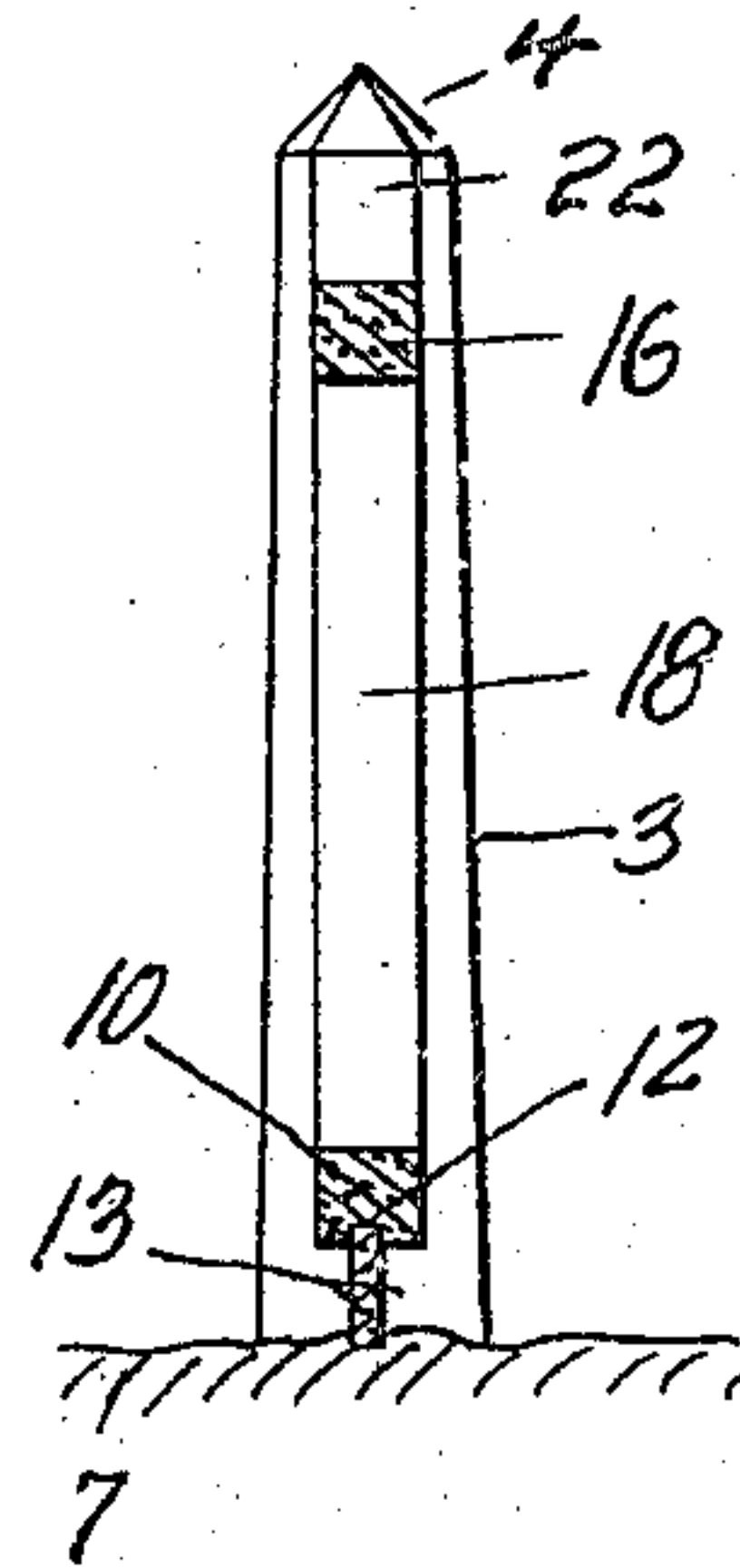


Fig. 2.

Fig. 3.

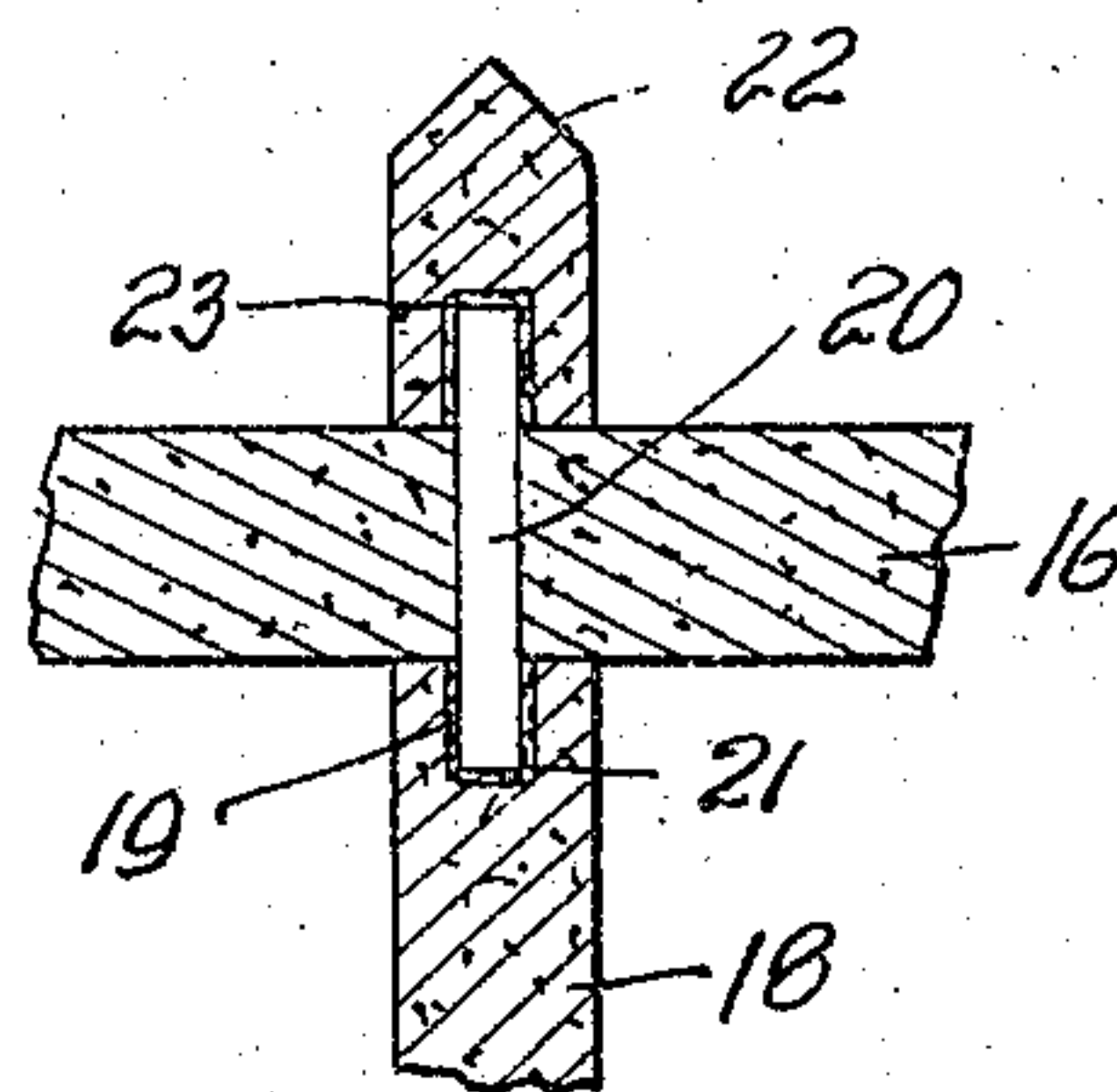


Fig. 4.

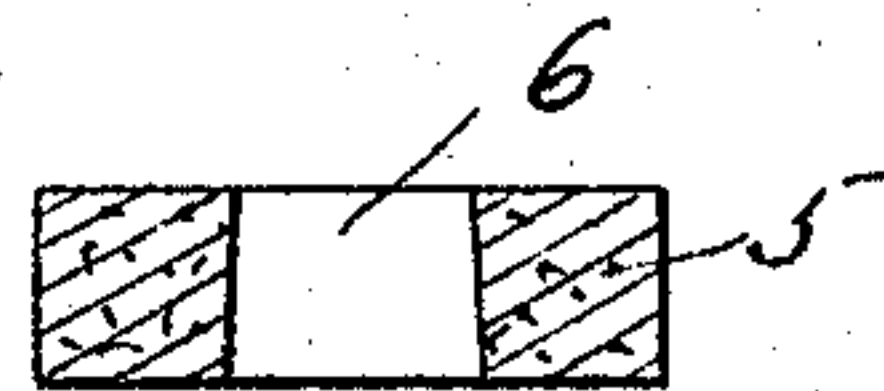


Fig. 5.

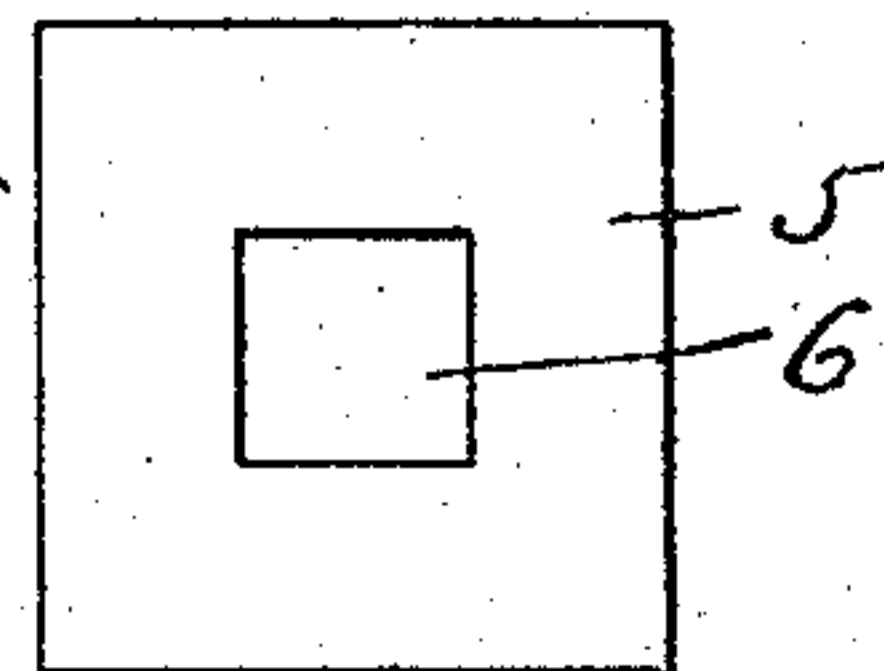


Fig. 6.

Witnesses:—

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# UNITED STATES PATENT OFFICE.

EMIL WAGLER AND CHARLES WAGLER, OF PITTSBURG, PENNSYLVANIA.

## CONCRETE FENCE.

948,834.

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*To all whom it may concern:*

Be it known that we, EMIL WAGLER and CHARLES WAGLER, citizens of the United States of America, residing at Hazelwood, 5 Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Concrete Fences, of which the following is a specification, reference being had therein to the 10 accompanying drawing.

This invention relates to fences, and the objects of the invention are, first, to construct a fence of concrete or a similar plastic material; second, to provide novel foundations and bracing blocks for the fence posts; 15 third, to provide novel means for connecting the longitudinal rails or panels of the fence to the posts; and fourth, to provide a fence of the above type that will be strong, 20 durable and rigid.

We attain the above objects by a fence construction that will be hereinafter considered in detail and then claimed, and reference will now be had to the drawing where 25 there is illustrated the preferred embodiments of the invention, but it must be understood that the structural elements thereof can be varied or changed, as to the size and shape without departing from the spirit 30 of the invention.

In the drawing:—Figure 1 is an elevation of a portion of the fence, partly broken away and partly in section, Fig. 2 is a vertical cross sectional view of the same, Fig. 35 3 is an enlarged longitudinal sectional view of a portion of the fence, Fig. 4 is a cross sectional view of one of the anchoring or bracing blocks, Fig. 5 is a plan of the same, and Fig. 6 is an elevation of a portion of a 40 modified form of fence, partly broken away and partly in section.

In the drawing 1 denotes a post hole in which is placed a concrete foundation block 2. Adapted to rest upon the block 2 is a 45 concrete post 3, said post being rectangular in cross section and tapering from the lower end to the upper end, said upper end being topped or beveled, as at 4 to deflect water and prevent matter from settling upon the 50 top of the post.

5 denotes a rectangular anchoring or bracing concrete block having a central opening 6 to receive the post 3, this block being placed over the upper end of the post and 55 arranged above the foundation 1 within

the earth or ground 7 surrounding the lower end of the post.

The lower sides of the rails 10 are provided with longitudinal grooves 12 extending from one end of the rail to the opposite 60 end, these grooves being adapted to receive the upper edges of concrete braces 13 arranged between the rails 10 and surface of the ground 7.

The posts 3 adjacent to the upper ends 65 thereof and also adjacent the surface of the ground 7 have the sides provided with sockets 14 for longitudinal concrete upper rails 16, and longitudinal concrete lower rails 10 the ends of these rails being cemented or 70 otherwise secured, as at 17 in the sockets 14. Arranged between the rails 10 and 16 and between the posts of the fence are intermediate concrete columns 18, the upper ends of said columns being provided with sockets 75 19 to receive vertical pins 20 carried by the rails 16, these pins extending through the rails and having their lower ends cemented or otherwise secured in the sockets 19, as at 80 21, while concrete caps 22 provided with sockets 23 are similarly secured upon the upper ends of the pins 20 and the upper faces of the rails 16.

As shown in Fig. 1 of the drawing the ends of the lower rails 10 are mounted in 85 the post 3 similar to the ends of the rails 16, while the rails 10 and 16 in Fig. 6 are provided in their ends with sockets 9 to receive the projecting ends of metallic pins 8 carried by the posts 3 at the desired dis- 90 tance above the ground 7; the sockets 9 are preferably provided with a cement or adhesive substance 11 for fixedly securing the projecting ends of the pins 8 in said sockets. In this construction, the rails 10 are also 95 provided in their upper faces with sockets to receive the lower ends of palings or vertical rods 18' which extend upwardly through the upper rails 16.

The various parts of our fence can be 100 produced by the use of various molds, and after the parts have been duly seasoned, they can be easily assembled.

Having now described our invention what we claim as new, is:—

1. In a concrete fence, concrete foundation blocks adapted to be arranged in post holes, tapering concrete posts mounted upon said blocks, anchoring blocks adapted to be 105 mounted upon said posts below the surface 110



of the ground, concrete lower and upper longitudinal rails arranged between said posts and adapted to have the ends thereof held by said posts, concrete columns adapted to be mounted between said rails, and a concrete board adapted to be arranged between the lower rail and the surface of the ground.

2. In a concrete fence, concrete foundation blocks adapted to be mounted in post holes, tapering posts mounted upon said blocks, anchoring blocks adapted to be mounted upon said posts below the surface of the ground, longitudinal rails connecting said posts, longitudinal pins extending through said posts and into the ends of said rails, vertical columns mounted between said rails, vertical pins extending through one of said rails into the upper ends of said columns, and caps mounted upon the upper ends of said pins and adapted to rest upon one of said rails.

3. In a concrete fence, concrete foundation blocks adapted to be mounted in post holes, tapering posts mounted upon said blocks, anchoring blocks adapted to be mounted upon said posts below the surface of the ground, longitudinal rails connecting said posts, longitudinal pins extending through said posts and into the ends of said rails, vertical columns mounted between said rails, vertical pins extending through one of said rails into the upper ends of said columns, caps mounted upon the upper ends of said pins and adapted to rest upon one of said rails, and palings carried by the rails intermediate the posts and columns.

4. In a concrete fence, concrete foundation blocks adapted to be mounted in said post holes, tapering posts mounted upon said blocks, anchoring blocks adapted to be mounted upon said posts below the surface of the ground, longitudinal rails con-

necting said posts, longitudinal pins extending through said posts and into the ends of said rails, vertical columns mounted between said rails, vertical pins extending through one of said rails into the upper ends of said columns, caps mounted upon the upper ends of said pins and adapted to rest upon one of said rails, palings carried by said rails intermediate the posts and columns, and boards mounted between one of said rails and the surface of the ground, substantially as described.

5. In a concrete fence, concrete foundation blocks adapted to be arranged in post holes, concrete posts supported upon said blocks, anchoring means engaging the posts intermediate the blocks in the top of the post holes, upper and lower longitudinally-extending rails of concrete arranged between said posts and having the ends thereof held by said posts, and concrete columns mounted between said upper and lower longitudinal rails.

6. In a concrete fence, concrete foundation blocks adapted to be arranged in post holes, concrete posts supported by said blocks, anchoring means on said posts below the surface of the ground, upper and lower longitudinally-extending rails of concrete arranged between said posts and having the ends thereof held by the posts, concrete columns between said rails, and a concrete board between the lower rail and the surface of the ground.

In testimony whereof we affix our signatures in the presence of two witnesses.

EMIL WAGLER.  
CHARLES WAGLER.

Witnesses:

OL. H. RABSAIG,  
MAX H. SROLOVITZ.