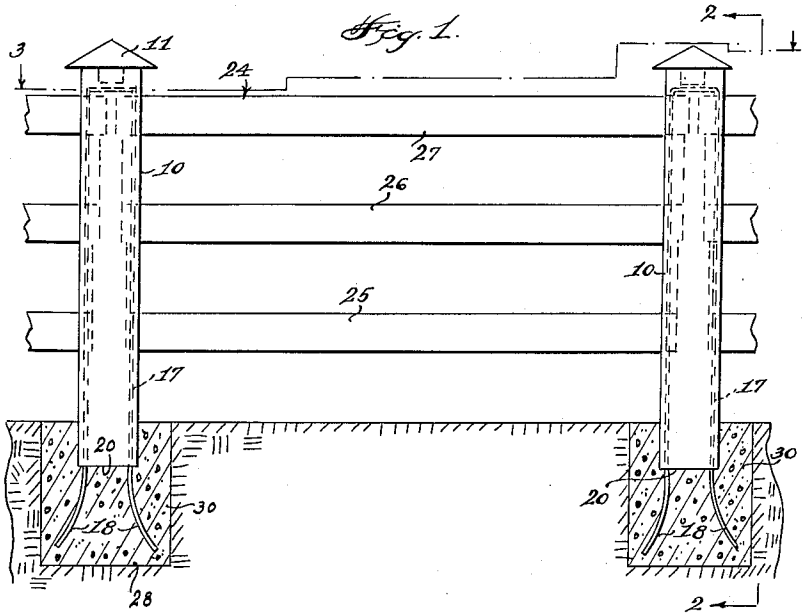
Sept. 20, 1955 G. M. BIRD 2,718,382

RECESSED SLOT MASONRY POST

Filed April 2, 1954

Fig. 1.



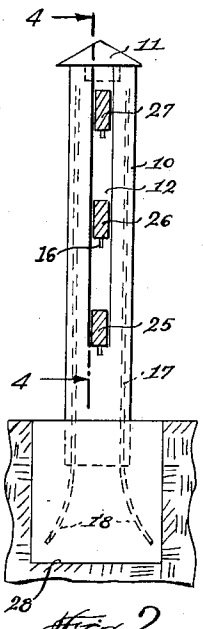




Fig. 2.

Fig. 3.

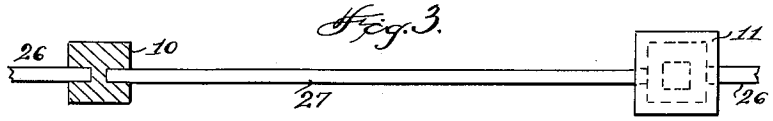



Fig. 4.

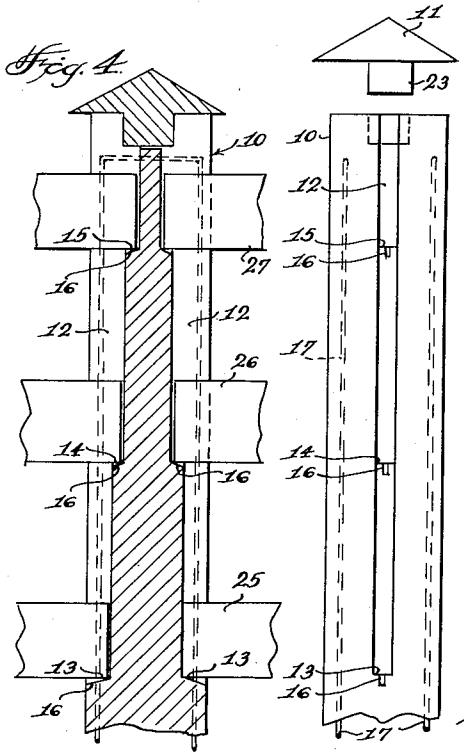






Fig. 5.

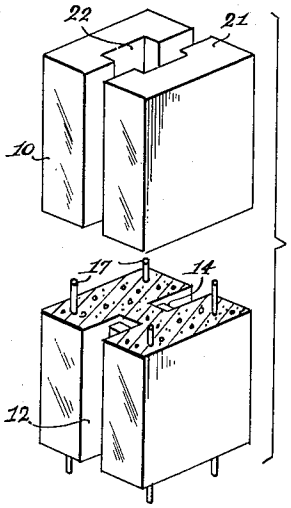



Fig. 6.

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2,718,382

# RECESSED SLOT MASONRY POST

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Application April 2, 1954, Serial No. 420,523

13 Claims. (Cl. 256—19)

This invention relates to a masonry or concrete fencepost and to a fence made up by using the fenceposts of this invention. It is an object of this invention to provide a precast concrete fencepost and fence wherein the fence boards, which may be of wood, concrete or any other suitable material, may be readily removed between any two adjacent posts and thus provide a passageway therebetween for temporary use, and which may be readily restored in position by merely lifting the fence boards vertically upward to remove the same.

A further object of this invention is to provide a precast fencepost, preferable reinforced, on the bottom thereof so that the fencepost may be set into concrete footings formed in situ, and thus be firmly anchored thereto by the extending reinforcements.

A further object of this invention is to provide a fencepost having one or more stepped grooves extending vertically along one or more sides thereof with the groove becoming excessively deeper at each vertically ascending step so that a fence board may be supported on the lowermost steps of two adjacent posts, then a slightly longer board may be supported on the next upper steps and a still longer board supported on the next upper steps, the boards being removable by merely raising them vertically out of the step grooves.

A further object of this invention is to provide a fencepost having stepped grooves recessed into two sides thereof, which sides are usually the opposite side in the post used in making a straight fence, and would be in sides 90 degrees from each other for corner posts.

A further object of this invention is to provide a fencepost having stepped grooves recessed into the sides thereof, with drain cavities extending downwardly through each step so that rainwater will tend to drain away therefrom and thus avoid rotting the ends of the fence boards when the boards are made of wood rather than of concrete.

A still further object of this invention is to provide a fencepost having stepped grooves recessed in the side thereof, and having on the top thereof means to cooperate with a cap to be supported thereon which serves both to shed water from the top of the post and also to act as an anchor against the removable of the fence boards until the cap is first removed therefrom.

A still further object of this invention is to provide a fencepost and fence wherein the fence board may be removed at any time either for replacement or for providing an opening through the fence through which a vehicle may pass.

Briefly, this invention consists of a precast concrete fencepost having stepped grooves recessed in the sides thereof, the groove being the deepest at the top of the post and progressively shallower toward the bottom of the post at each successive step, with an opening at the top of the post for receiving the stem of a wood or precast concrete cap which may rest thereon. The post itself is preferably precast about reinforcing iron rods which will extend downwardly through the bottom thereof so that when the fence is made up of these posts, the extending



reinforcing rods may be embedded in concrete footings that are formed in situ to thus firmly anchor the post thereto.

With the foregoing and other objects in view, this invention comprises the combination from a construction and arrangement of parts hereinafter set forth, claimed and disclosed in the accompanying drawing, wherein:

Fig. 1 is an elevational side and partly sectional view of a fence made up according to this invention.

Fig. 2 is a partly sectional elevational view on line 2—2 of Fig. 1.

Fig. 3 is a top plan view partly in section on line 3—3 of Fig. 1.

Fig. 4 is a vertical sectional view of a fencepost of this invention on line 4—4 of Fig. 2, the base end being broken away.

Fig. 5 is an end view of Fig. 4 with the cover cap separated therefrom.

Fig. 6 is an exploded fragmentary perspective and sectional view of a fencepost.

There is shown at **10** the precast concrete fencepost of this invention surmounted by cover cap **11**. The fencepost **10** is provided with one or more vertically extending stepped grooves recessed into one or more sides thereof, the stepped grooves shown at **12** being a progressively increased depth from the bottom of the post **10** toward the top thereof, the groove **12** increasing in depth between each vertically successive step **13**, **14** and **15**. Each step **13**, **14** and **15** is provided with a drain opening **16** extending downwardly into the groove **12** thus providing for drainage of any water that might otherwise collect therein from rain or the like. Extending vertically through the fencepost **10** are a plurality of reinforcing rod **17** which extend at **18** beyond the bottom **20** of the posts **10**. At the top **21** of the post **10** there is provided a rectangular cavity **22** for receiving a correspondingly shaped stem **23** of the cap **11**, the cap **11** being made of wood or concrete or other suitable material and being held in position with the stem **23** and the cavity **22** by its own weight.

In setting up the fence **24** of this invention, a number of fence boards **25**, **26** and **27** are provided of a length appropriate to the distance that the post **10** are spaced apart. The boards **26** are greater in length than the boards **25** by twice the amount of the depth of its supporting step, and the fence boards **27** are similarly greater in length than the fence boards **26**. The fence boards may be made of wood or likewise could be made of precast concrete panels, preferably reinforced, if so desired. In setting up the fence, holes **28** are dug properly spaced apart and concrete footings **30** are formed in situ, and the post **10** has its bottom placed into the concrete footing **30** while it is still in soft plastic condition with the bottom ends **18** of the reinforcing rod **17** extending into the footings. Then when the footings **30** solidify, the posts **10** are thus firmly anchored therein. After the post **10** have become firmly anchored in the solidified footings, the shorter boards **25** are placed in position on the lowermost steps, **13**, by merely dropping them down adjacent recessed grooves **12** of adjacent fence post **10**. With the fence post **10** properly spaced apart, the boards **25** will be supported on their steps **13**, next the slightly longer boards **26** are placed in position on their steps **14** and the topmost still longer boards **27** are placed in position on their topmost steps **15** and then the concrete or wooden caps **11** are secured on top of the post **10** by having their stems firmly placed into the cavities **22**, thus completing the fence. Whenever it is necessary to take an animal or vehicle from one side of the fence to the other, it is only necessary to remove the cap **11** from the two adjacent fenceposts and then lift up the boards **27**, **26** and **25** in their order leaving an open gateway between the two posts. Thereafter the fence is

restored by placing the boards, 25, 26 and 27 back again in that order and then placing the caps 11 back in position.

While the device has been shown and the structure described in detail, it is obvious that this invention is not to be considered as being limited as to the exact form disclosed, and that changes in detail instruction may be made therein within the scope in what is hereinafter claimed, without departing from the spirit of this invention. without departing from the spirit of this invention.

Having thus set forth and described the nature of this invention, what is claimed is:

1. A fence comprising a plurality of spaced vertically disposed posts of precast material having supporting footings and having reinforcing material extending downwardly beyond the bottom thereof and embedded in footings formed in situ, said posts each having two oppositely disposed vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step, and fence boards of progressively increasing length removably supported on the ascending vertical steps.

2. A fence comprising a plurality of spaced vertically disposed posts of precast material having supporting footings and having reinforcing material extending downwardly beyond the bottom thereof and embedded in footings formed in situ, said posts each having two oppositely disposed vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step, and fence boards of progressively increasing length removably supported on the ascending vertical steps, each said step having a drain cavity extending downwardly and outwardly therefrom.

3. A fence comprising a plurality of spaced vertically disposed posts of precast material having supporting footings and having reinforcing material extending downwardly beyond the bottom thereof and embedded in footings formed in situ, said posts each having two oppositely disposed vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step, and a cap receiving means on the top of each post.

4. A precast fencepost having a supporting footing and having on two sides thereof, stepped grooves of progressively decreasing depth between the top and bottom thereof, each groove having a lower terminus above said footing and being provided with a plurality of vertically spaced fence board supporting steps, the uppermost step being at the greatest depth of its groove and the lowermost step being at the shallowest depth.

5. A precast fencepost having a supporting footing and having one two sides thereof, stepped grooves of progressively decreasing depth between the top and bottom thereof, each groove having a lower terminus above said footing and being provided with a plurality of vertically spaced fence board supporting steps, the uppermost step being at the greatest depth of its groove and the lowermost step being at the shallowest depth, and reinforcing means extending through said post and beyond the bottom thereof for embedment in a footing formed in situ.

6. A precast fencepost having a supporting footing and having two oppositely disposed stepped grooves of progressively decreasing depth between the top and bottom thereof, each groove having a lower terminus above said footing and being provided with a plurality of vertically spaced fence board supporting steps, the upper most step being at the greatest depth of its groove and the lowermost step being at the shallowest depth, each said step having a drain cavity extending therethrough and means at the top of said post for removably receiving a cap there to close the top of both grooves.



7. A precast concrete fencepost having a supporting footing and having two oppositely disposed stepped grooves of progressively decreasing depth between the top and bottom thereof, each groove having a lower terminus above said footing and being provided with a plurality of vertically spaced fence board supporting steps, the uppermost step being at the greatest depth of its groove and the lowermost step being at the shallowest depth, each said step having a drain cavity extending therethrough, means at the top of said post for removably receiving a cap there to close the top of both grooves, and reinforcing means extending through said post and beyond the bottom thereof for embedment in a footing formed in situ.

8. A fence comprising a plurality of spaced vertically disposed posts of precast material having supporting footings embedded in footings formed in situ, said posts each having two oppositely disposed vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step, and fence boards of progressively increasing length removably supported on the ascending vertical steps.

9. A fence comprising a plurality of spaced vertically disposed posts of precast material having supporting footings embedded in footings formed in situ, said posts each having two oppositely disposed vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step, and fence boards of progressively increasing length removably supported on the ascending vertical steps, and a removable cap receiving means on the top of each post.

10. In a fence, a plurality of spaced vertically disposed posts of precast material having supporting footings embedded in footings formed in situ, said posts each having on two sides thereof vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step.

11. In a fence, a plurality of spaced vertically disposed posts of precast material having supporting footings embedded in footings formed in situ, said posts each having on two sides thereof vertically extending grooves having lower termini above said footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step, each said step having a drain cavity extending downwardly and outwardly therefrom.

12. In a fence, a plurality of spaced vertically disposed posts of precast concrete having supporting footings and having reinforcing material extending downwardly beyond the bottom thereof and embedded in footings formed in situ, said posts each having on two sides thereof, vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove having a plurality of vertically spaced apart steps, each said groove being of greater depth above each step than below said step, whereby fence boards of progressively increasing length may be removably supported on the ascending vertical steps.

13. In a fence, a plurality of spaced vertically disposed posts of precast concrete having supporting footings and having reinforcing material extending downwardly beyond the bottom thereof and embedded in footings formed in situ, said posts each having on two sides

thereof, vertically extending grooves having lower termini above said supporting footings and recessed into opposite sides thereof, each said groove being of greater depth above each step than below said step, whereby fence boards of progressively increasing length may be removably supported on the ascending vertical steps, each said step having a drain cavity extending downwardly and outwardly therefrom, and a removable cap receiving means on the top of each post.



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