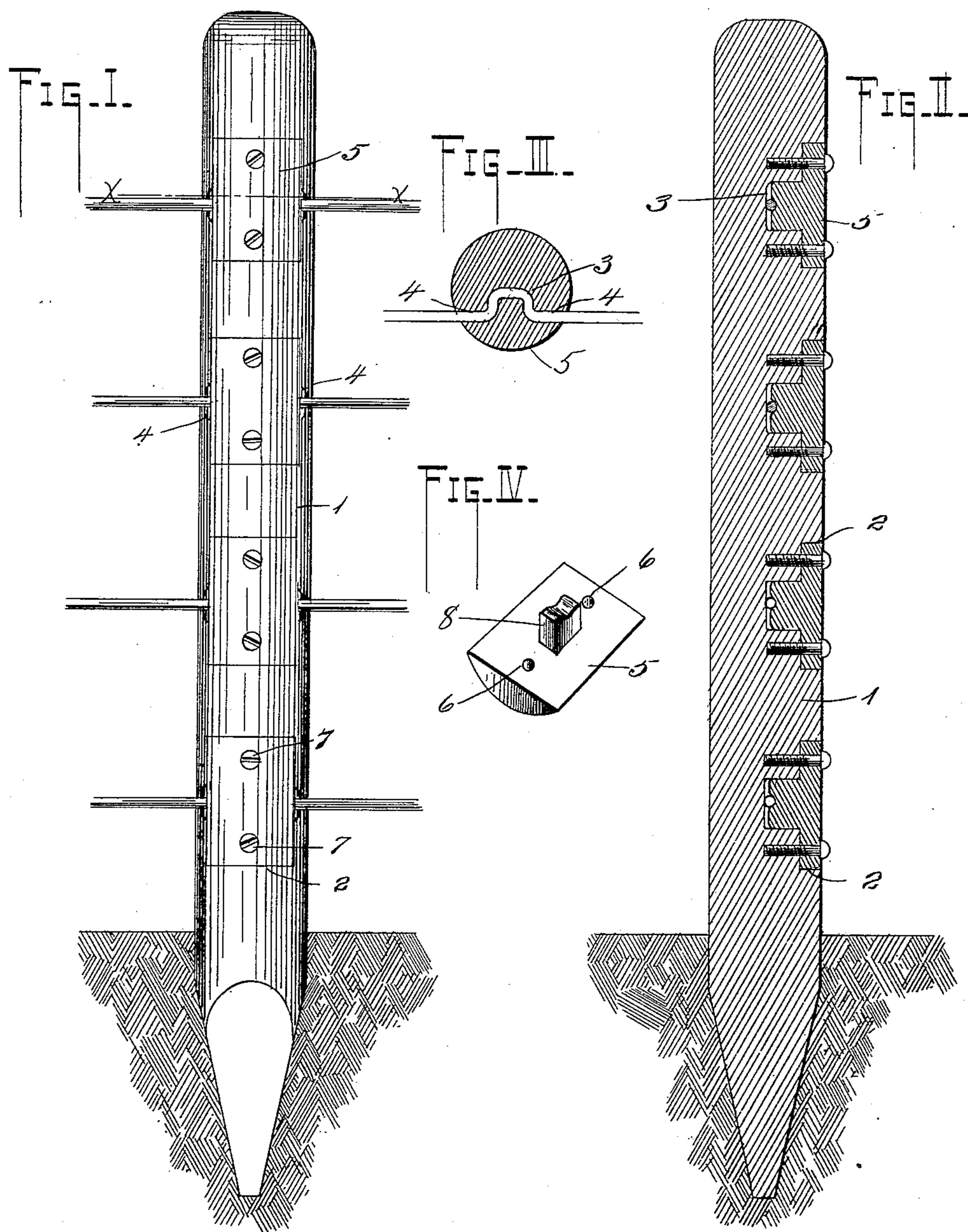


(No Model.)

W. H. FRAME.
FENCE POST.

No. 602,740.

Patented Apr. 19, 1898.



Witnesses
J. Has, Corner,
Victor J. Evans

Inventor
William H. Frame.
By John Wedderburn
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM H. FRAME, OF PEABODY, MASSACHUSETTS.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 602,740, dated April 19, 1898.

Application filed July 26, 1897. Serial No. 645,997. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. FRAME, of Peabody, in the county of Essex and State of Massachusetts, have invented certain new
5 and useful Improvements in Railroad Fence-Posts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and
10 use the same.

This invention relates to improvements in fences, and more especially to the post and manner of connecting the wires thereto.

The object of the invention is to provide a
15 fence-post in which the wires are held in positive engagement therewith and in such a manner that they can be readily released when it is desired to tighten the fence-wires or otherwise repair the fence.

20 The invention also contemplates a construction of a fence-post, providing one that is strong and durable and, besides, possessing the additional advantage of being made ornamental in appearance.

25 To the above ends the invention consists in providing a round or rectangular fence-post with transverse recesses, having centrally a cavity and grooves intersecting the same, in connection with retaining-plates fitting with-
30 in the recesses of the post and provided with lugs which enter the cavity and press the wires therein, making a sharp bend which holds the wires firmly in place.

In the following specification I have entered
35 into a detailed description of my invention, reference being had to the accompanying drawings, and to numerals thereon, which designate the different parts, and what I consider to be the novel features of construction are
40 specifically set forth in the claims.

In the drawings forming a part of this specification, Figure 1 is an elevation showing a fence-post constructed in accordance with my invention. Fig. 2 is a vertical sectional view
45 through the fence-post. Fig. 3 is a transverse sectional view on the line X X of Fig. 1. Fig. 4 is a detailed perspective view of one of the retaining-plates.

Referring to the drawings by numerals, 1
50 designates the fence-post, which is preferably cylindrical in shape and constructed of metal,

the lower end being pointed to facilitate the operation of driving the post into the ground. This post is provided at intervals with transverse recesses 2, the central portions of which
55 are each provided with a cavity 3 and grooves 4 4, leading to the sides of the post. In connection with these recesses and cavities in the post I provide retaining-plates 5 therefor, which are shaped to fit within the recesses
60 and lie flush with the outer surface of the post, having holes 6 6, through which the screws 7 7 are passed for securing said plates in place. On the back of the retaining-plates project lugs 8, the outer ends of which are
65 notched, as shown, and these lugs are so located with respect to the recesses in the post that they project into the cavity when the plates are secured in place. It is intended that these plates should fit nicely within the
70 recesses, so as not to mar the general appearance of the post, and as I prefer to have the post of metal the plates are also metal and are secured in place by machine-screws.

In making up a fence with my improved
75 post the wires are placed within the grooves to extend across the cavities, and the screws are taken up to slightly press the lugs thereof in engagement with the wires, and after the wire has been properly stretched the screws
80 are driven home and the retaining-plate forms sharp bends in the wire, which prevent its becoming loosened. This manner of connecting the fence-wires to the post forms a cheap, simple, and effective means that not only
85 firmly holds the wire in place, but also provides for tightening the wires or otherwise repairing the fence, for in tightening the wires the plates are merely loosened and the usual wire-fence tightener employed, after
90 which the plates are brought in place by tightening the screws and will form the bends which hold the wire against longitudinal movement.

The fence-post hereinbefore described is
95 particularly adapted for use in building railroad-fences, and in this connection it is made of metal, which will prevent its being destroyed in case of fire, which may be occasioned by sparks from the locomotive, and in some in-
100 stances I propose to connect the wires or panels of the fence by the ordinary pickets,

either wooden or metal. This will form a very strong and durable fence, not only for railroad purposes, but in other connections.

It will be understood, of course, that though
5 I have referred to the post as being constructed of metal it could be made up of wood and metal retaining-plates employed in connection therewith. It will also be apparent
10 that the upper part of the post could be finished off in any ornamental design, and that other changes or modifications could be made without sacrificing any of the advantages of the invention.

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

1. A fence-post having cavities with grooves on a line therewith, in combination with retaining-plates having lugs which project into
20 the cavities, said lugs engaging the fence-wires to press them within the cavity and form sharp bends, substantially as shown and described.

2. A fence-post having a cavity therein, in
25 combination with a retaining-plate provided

with a projecting lug which enters the cavity when the plate is secured in place, substantially as shown and described.

3. A fence-post having transverse recesses with central cavities and grooves extending
30 from said cavities to the sides of the post, in combination with retaining-plates fitting within the recesses and having rearwardly-projecting lugs which enter the cavities, substantially as shown and described. 35

4. A fence-post having transverse recesses with a central cavity and grooves extending from said cavity to the sides of the post, in combination with retaining-plates provided
40 with rearwardly-projecting lugs having notched ends, and means for securing the plates in the recesses of the post, substantially as shown and for the purposes set forth.

In testimony whereof I have signed this
specification in the presence of two subscrib- 45
ing witnesses.

WILLIAM H. FRAME.

Witnesses:

BENJAMIN G. HALL,
ALFRED MCKENZIE.