

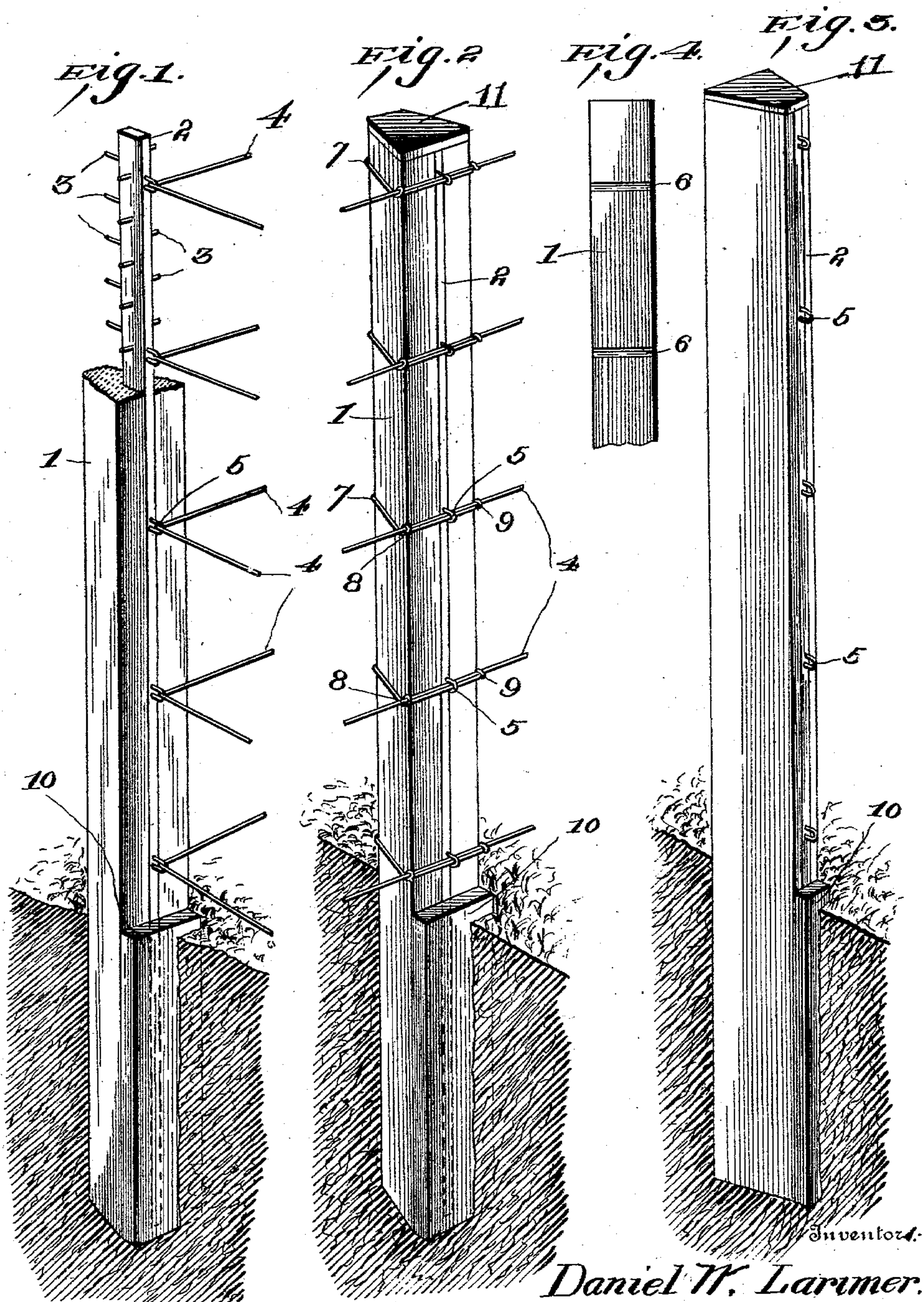
No. 704,842.

Patented July 15, 1902.

D. W. LARIMER & D. C. ELLIOTT.  
COMPOSITION FENCE POST.

(Application filed Jan. 28, 1902.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

DANIEL W. LARIMER AND DAVID C. ELLIOTT, OF GOSHEN, INDIANA.

## COMPOSITION FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 704,842, dated July 15, 1902.

Application filed January 28, 1902. Serial No. 91,627. (No model.)

*To all whom it may concern:*

Be it known that we, DANIEL W. LARIMER and DAVID C. ELLIOTT, citizens of the United States of America, residing at Goshen, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Composition Fence-Posts, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to certain new and useful improvements in composition fence-posts, and relates more particularly to that class wherein the means for securing the strands or lengths of wire are embedded within the composition while the latter is in a plastic state.

Our invention, broadly, has for its object a fence-post of the above-described character in which the securing means shall be held in a manner to withstand any danger of becoming loose caused by the contraction of the plastic material or shrinkage of the means itself, due to varying climatic conditions.

Our invention has for its further object a fence-post which shall embrace novel means whereby the tension of the strands or lengths of wire may be readily adjusted and any "slack" may be readily taken up.

With the above and other objects in view the invention further resides in the novel construction and combination of parts hereinafter clearly described, and fully set forth in the claims.

In the accompanying drawings, illustrating the most practical embodiment of our invention, and in which like characters of reference indicate similar parts throughout the several views, Figure 1 is a perspective view of the fence-post, showing the same embedded in the ground and having the upper portion thereof partly broken away, illustrating the means for securing the strip against movement. Fig. 2 is a like view showing the post complete. Fig. 3 is a similar view showing the strip embedded in the narrowest of the trapezoidal faces of the post, and Fig. 4 is a rear view of the post partly broken away and showing the grooves for the reception of the binding-wires.

The objects sought by the invention are best obtained by the employment of a fence-

post of a substantially trapezoidal shape, as shown in the drawings by the reference-numeral 1, which not only has the advantage of requiring less material and a consequent decrease in cost, but further affords certain advantages hereinafter set forth.

While the post is being molded and is still in a plastic condition a strip of wood 2, carrying a series of staggered projections 3, is embedded therein in a longitudinal direction, the one edge of the strip being flush with the outer face of the post. Fig. 1 illustrates the strip as being secured centrally of one of the wider faces of the post, while Fig. 3 illustrates the same as being embedded in the narrower face. These projections are arranged throughout the entire length of the strip 2 on three of its faces and are wholly embedded in the plastic material.

For the purpose of securing the strands or lengths of wire 4 against vertical movement the strip has a series of staples 5 secured therein, the number of which may vary, being commensurate with the number of strands or lengths of wire employed. Fig. 1 illustrates the post being used as a corner-post, in which event the wires are passed through the staples and drawn taut, the staples serving the double function of securing the wires against vertical movement as well as a securing means in a longitudinal direction, assuming the horizontal strain.

Various causes can be assigned for slack in the wires, it being a well-known fact that it is practically impossible to retain the tension at all times, which we provide for by forming horizontal grooves 6 in the face of the post opposite to the one carrying the strip for the reception of binding-wires 7, which are first wound around the strands at a point, as shown at 8, adjacent to one end of the face carrying the strip, are then passed along in alinement with the strip, wound around the longitudinal strand, as at a point 9, adjacent to the other edge of the face, both ends then being bent to engage the converging faces of the post and secured by twisting to the rear face thereof. It will thus be seen that by adjusting the tension of the binding-wires the longitudinal strands may be readily tightened.

In order to provide a substantial base for



the post, as well as protecting the strip against dampness and consequent decay, a protecting-strip 10 is molded integral with the post and preferably extends to a point substantially flush with the upper surface of the ground.

The upper end of the post is preferably formed with a cap of the plastic material, thus protecting the upper end of the strip. This cap 11 may either be formed integral with the post while the latter is being molded or it may be secured to the post after the latter has been molded, the cap, as shown, covering the upper end of the strip.

We preferably employ a composition of cement and sand to form the posts, though various compositions may be substituted and changes in the construction resorted to without departing from the spirit of our invention.

We desire to call attention to the converging sides 9 of the posts, which permit the binding-wires to be more readily adjusted and the tension increased. Rectangular or square posts would offer greater resistance by reason of the square corners.

Having thus fully described our invention,

what we claim as new, and desire to secure by Letters Patent, is—

1. In a composition post, a strip carrying staggered projections embedded in the post and having one of its faces exposed with means carried by said exposed face for engagement with the wires of the fence, and a protecting-strip formed integral with the post and secured over the lower portion of the first-named strip, substantially as described.

2. In a composition post, a strip carrying a series of staggered projections embedded in the post and having one of its faces exposed with a series of staples carried by the exposed face of the strip for engagement with the wires of the fence, a protecting-strip carried by the post and covering the lower portion of the strip, and a cap carried by the upper end of the post and secured over the upper end of said strip, substantially as described.

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

DANIEL W. LARIMER.  
DAVID C. ELLIOTT.

Witnesses:

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