No. 684,734. Patented Oct. 15, 1901.

F. A. WEGNER.

FENCE POST.

(Application filed Aug. 25, 1900.)

(No Model.) 2 Sheets—Sheet 1.

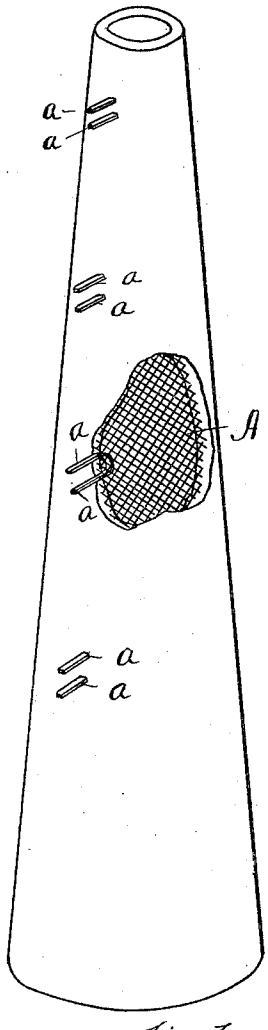


Fig. 1.

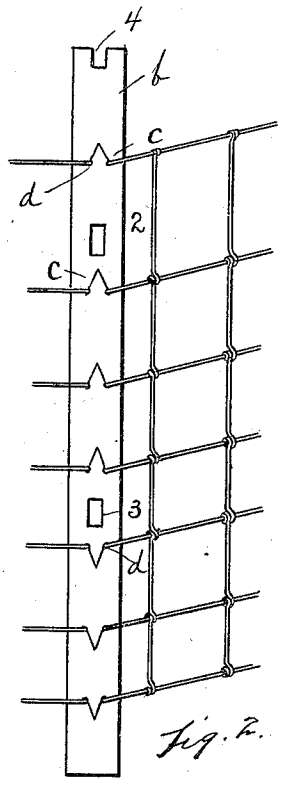


Fig. 2.

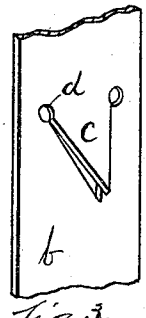


Fig. 3.

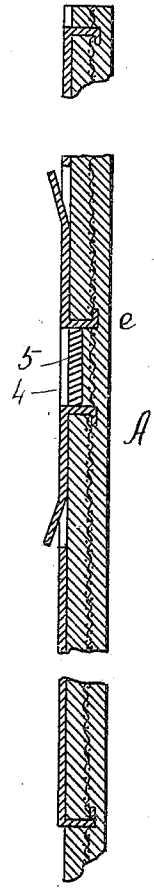


Fig. 4.

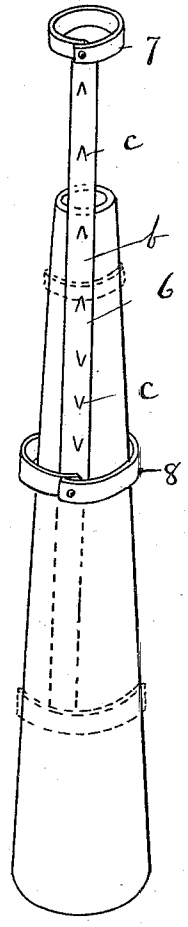


Fig. 5.

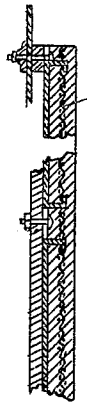


Fig. 11.

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No. 684,734. Patented Oct. 15, 1901.

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(No Model.) 2 Sheets—Sheet 2.

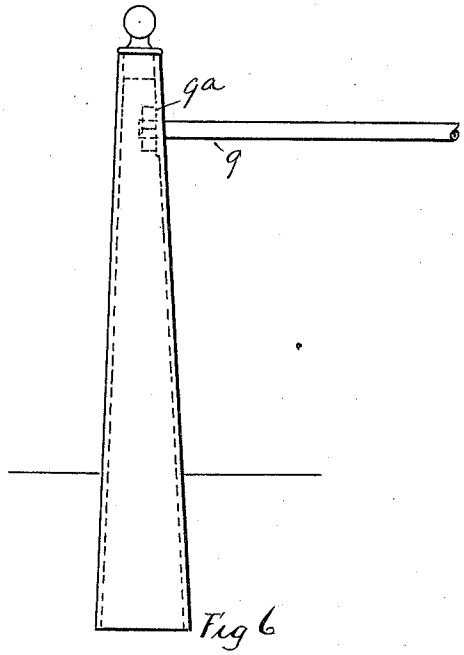


Fig 6

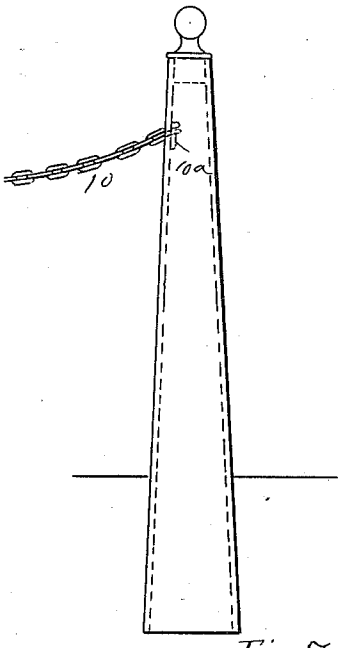


Fig 7

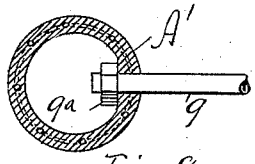


Fig 8

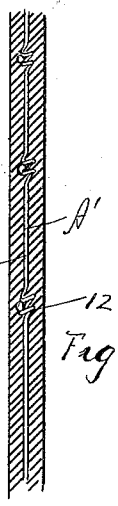


Fig 10

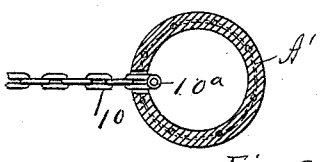


Fig 9

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UNITED STATES PATENT OFFICE.

FREDERICK A. WEGNER, OF DETROIT, MICHIGAN.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 684,734, dated October 15, 1901.

Application filed August 25, 1900. Serial No. 28,042. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK A. WEGNER, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Fence-Posts; and I 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 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to fence-posts, and has for its object an improved fence-post made from cement or artificial stone.

In the drawings, Figure 1 shows a post made in accordance with the invention. Fig. 2 is an elevation of a fastening-strip to be used with the post of Fig. 1 and as an alternate form of fastening to the one shown in Fig. 1. Fig. 3 is an enlarged representation of one of the fastening-points shown in Fig. 2. Fig. 4 is a section through the wall of the post, showing the fastening of Fig. 2 and the means of securing it to the post. Fig. 5 shows a post with a detachable fastening. Fig. 6 shows the manner of anchoring a bar in the post. Fig. 7 shows the manner of anchoring a chain in the post. Fig. 8 is a cross-section showing the manner of anchoring the bar. Fig. 9 is a cross-section showing the manner of anchoring the chain. Fig. 10 is a vertical section through the wall of a post, showing a strengthening or embedded netting of a somewhat different structure than that shown in Figs. 1 and 4. Fig. 11 shows a picket or wooden standard secured to the post.

In the drawings similar characters refer to similar parts.

The post which forms the subject of this invention is made in the form of a concave cone and is hollow, and the walls are strengthened by having embedded therein netting of strengthening fabric or wire. The wire-netting A (shown in Fig. 1) is a woven-wire netting placed in position, and the cement is molded both inside and outside of it, as indicated in Fig. 4.

The means of fastening the stringers of a fence to this post may be varied—as, for example, in Fig. 1 the means shown consisting of pins *a a*, that are secured to the wire fabric and project outward through the cement walls of the post. The fastening shown in Fig. 2 is made as a part of the post and cemented thereto, and it consists of a strip of metal *b*, from which the pins or prongs *c c* have been punched, leaving an enlargement in the slot at the base of the point, as indicated at *d* in Fig. 3. At the points where the prongs *c c* join the strip of metal *b* the metal is removed, leaving approximately circular apertures, as clearly shown in Fig. 3. The wire stringers are forced up under the prongs *c c* into said circular apertures, as indicated in Fig. 2. The prongs are then bent back until their surfaces are parallel to the metal strip *b*. Thus the wire is supported from moving up or down so long as the prongs are unbent, and the stringer-wire is slightly crimped or bent to restrain longitudinal movement relative to the post. The strip itself is secured to the cement of the post by punching and bending to that side which lies inward prongs *e*, which are inserted through the wire fabric or wire foundation and loosely secured thereto by bending the prongs, as shown in Fig. 4.

Should it be desirable to prepare the post for a board fence and arrange it to have boards nailed thereto, I stop off the cement at the holes 2, 3, and 4 by a clay plug, as indicated at 5 in Fig. 4, and the clay plug can be afterward removed. A bolt with an unequally-sided rectangular head is inserted through the hole and turned to bring the head across the slot.

Fig. 5 indicates a post made in the same way with embedded wire, but in which the means for attachment of the stringers of a fence is removable and consists of a strip of metal that is provided with holding-prongs, and to the top and bottom of the strip 6 are riveted rings or collars 7 and 8, one of which, 8, is arranged to engage closely around the post at that part of it which will be nearer the surface of the soil, and the other of which, 7, is arranged to engage closely around the post near the top of it. This is a removable fastening held by a removable band or hoops to the post. The bands or rings may be one or more, as may be desired, and the bands strengthen the post against lateral strain.

In punching out the holding-prongs *c* those which are intended to be used at the top end

of the post or the top half of the post are punched with their prongs projecting upward and those which are intended to be used at the bottom half of the post are punched with their points projecting downward. This prevents the wires which are engaged under them from being lifted from the ground or pressed down by persons climbing over them.

Should it be desired to secure rails or chains to this post, as is frequently the case, a rail of iron rod 9 may be secured to the post by inserting the end of it through a hole in the wall of the post and securing the end by means of a nut 9^a, run on a thread thereon, the end being inside the post. A chain 10 may be secured by inserting the links through the wall of the post and securing the link by a pin 10^a, that is wholly within the post.

In Fig. 10 is shown a form of wire-netting A′ that is made in place by means of stringers 11, run lengthwise of the fence-post, and wire rings 12, run around the post, secured to the stringers by tying or in any other approved way.

What I claim is—

1. In a fence-post, in combination with a foundation of wire fabric bent to form a hollow post, a cement wall, covering both the inner and outer faces of the fabric, a fastening-strip extending longitudinally of the post, and provided with projections which extend into the post through the outer wall thereof, and engage the fabric, substantially as described.

2. In combination with a concrete post, having embedded therein a fabric foundation, a bar arranged to support the fence-stringers, said bar being provided with inturned prongs arranged to engage with and be secured to the fabric foundation, substantially as described.

3. In combination with a concrete post, having embedded therein a fabric foundation, a bar arranged to support the fence-stringers, said bar being provided with inturned prongs arranged to engage with and be secured to the fabric foundation, and with outwardly-turned prongs arranged to engage the stringers, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

FREDERICK A. WEGNER.

Witnesses:
JAMES B. MORAN,
JOHN N. GOODRICH.