

J. B. WITTY.
CONCRETE FENCE POST AND FENCING HOLDER.
APPLICATION FILED JUNE 29, 1905.

Fig. 1.

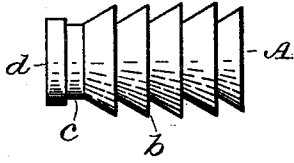


Fig. 2.

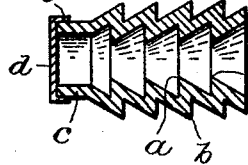


Fig. 3.



Fig. 4.

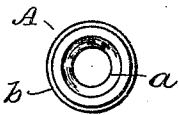


Fig. 5.

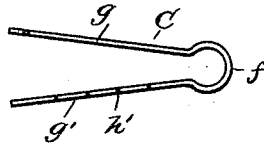


Fig. 6.

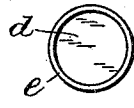


Fig. 9.

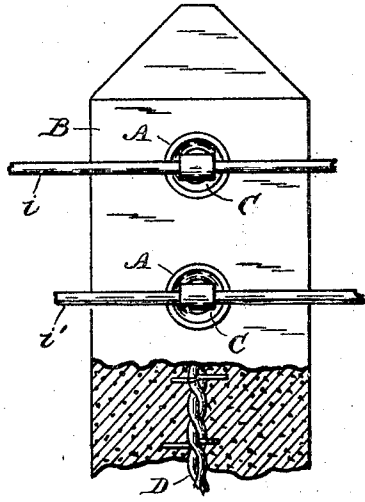


Fig. 7.

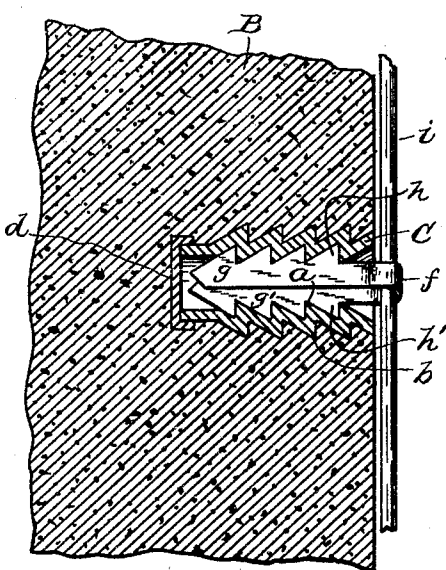


Fig. 8.

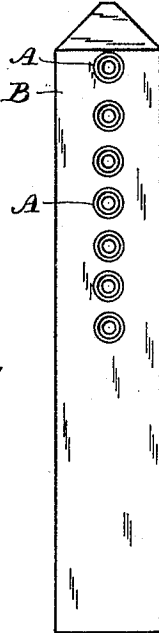
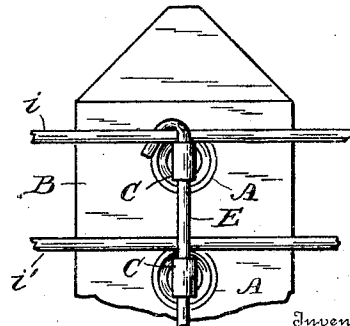


Fig. 10.



Witnesses:

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UNITED STATES PATENT OFFICE.

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CONCRETE FENCE-POST AND FENCING-HOLDER.

No. 796,688.

Specification of Letters Patent.

Patented Aug. 8, 1905.

Application filed June 29, 1905. Serial No. 267,529.

To all whom it may concern:

Be it known that I, JOHN B. WITTY, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented new and useful Improvements in Concrete Fence-Posts and Fencing-Holders; and I do declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The invention relates to fence-posts that are composed of plastic material hardened and metallic substances embedded in the plastic material and devices for holding fencing to the posts, the invention having particular reference to anchor-blocks that form permanent parts of the posts and to fence-fastening devices that are attachable adjustably to the anchor-blocks when connecting wire fencing to the posts.

Objects of the invention are to provide concrete fence-posts having fencing-holders that may be cheaply manufactured by machinery at relatively small cost for attaching wire fencing to the posts expeditiously and effectively, and to provide holding devices that may be self-adjusting in order to hold fence-wires of different diameters.

With the above-mentioned and other objects in view the invention consists in a concrete fence-post having embedded therein a plurality of novel hollow anchor-blocks, each having ratchet-teeth projecting from the inner face of the wall thereof, and novel attachable elastic fastening devices each having ratchet-teeth for engagement with the teeth of the anchor-blocks for holding fencing to the post; and the invention further consists in the details of construction and combinations and arrangements of operative parts, as hereinafter particularly described and claimed.

Referring to the drawings, Figure 1 is a side elevation of one of the anchor-blocks; Fig. 2, a longitudinal central sectional view thereof; Fig. 3, a perspective view of one of the attachable fastening devices; Fig. 4, a front view of the anchor-block; Fig. 5, a side view of the fastening device; Fig. 6, a plan view of the inner side of the cap that forms the inner end of an anchor-block; Fig. 7, a fragmentary horizontal sectional view of a post having a complete fencing-holder comprising a part thereof and showing a fencing-

wire connected thereby to the post; Fig. 8, a front elevation of the post, omitting the attachable fastening devices; Fig. 9, a fragmentary front elevation of the post having complete holders attached thereto and holding fencing-wires to the post, a portion of the post being in section and exposing the metallic binder invariably forming a part thereof; and Fig. 10, a fragmentary front elevation of the post, showing the fastening devices differently arranged, so as to hold the fencing-wires upon the devices by means of a vertical rod.

Similar reference characters in the different figures of the drawings designate corresponding elements or features of construction.

In a practical embodiment of the invention a suitable number of hollow anchor-blocks A for each post are provided and embedded in the concrete body part B while in a plastic state, the body part being composed of various suitable materials, partly of cement and sand or gravel. A fence-fastening device C is provided for cooperation with each anchor-block, and a suitable number of pieces of barbed-wire binders D are embedded in the body part B, as required, in the customary manner.

Each anchor-block A is composed of suitable metal and is indicated as being circular, although its shape in cross-section is immaterial, since it may be rectangular, if preferred, and while it may be composed of cast-iron the anchor-block may be most cheaply made of soft sheet-steel and corrugated. A suitable number of ratchet-teeth *a* are formed on the interior of each anchor-block projecting from opposite sides of the walls thereof, and projections *b* are formed on the exterior of the anchor-block adapted to prevent withdrawal of the anchor-block from the body part B, the teeth *a* being pitched so as to prevent withdrawal of the fasteners C when locked in the anchor-blocks. The anchor-block has a plain inner end part *c*, on which is applied a cap *d*, having a flange *e* for excluding the plastic material from the interior of the anchor-block body, the cap forming a permanent part of the anchor-block. The ratchet-teeth extend entirely about the interior of the anchor-piece, but obviously may be shorter and project from only two opposite sides thereof, as may be preferred.

Each fastening device C is composed of a strip of sheet metal, preferably steel, and is

bent over so as to form a loop f and two limbs g and g' , that extend from the loop in different angles and preferably slightly divergent, as in Fig. 5, although in some cases the limbs may be pressed more or less closely together, depending upon the proportionate diameter of the anchor-block, as when the limbs are spread they insure close fitting in a relatively large hole. A suitable number of ratchet-teeth h are formed on an edge of the limb g , and like teeth h' are formed on the edge of the limb g' , that faces in the opposite direction, so that the device has the teeth on two opposite sides or edges thereof adapted to engage the teeth a of the anchor-block.

In practical use the fastening devices C of the holders are to be placed on the fencing-wires, as i or i' , the loops f extending about the wires, then the limbs g and g' are to be forced into the anchor-blocks, the limbs being locked therein by means of the ratchet-teeth, the limbs being forced inwardly more or less, according to requirements. In case the fencing-wires are not spaced apart the same distances as the anchor-blocks the wires may be arranged between the devices C and a rod E may be inserted in the loops f of the devices, as in Fig. 10, in which case the limbs may not have to be forced into the anchor-blocks as far as in the case of the fencing-wires extending through the loops f .

Having thus described the invention, what is claimed as new is—

1. A concrete fence-post having embedded therein a plurality of hollow anchor-blocks each having ratchet-teeth therein at opposite sides thereof, and fence-fastening devices having ratchet-teeth thereon for coöperation with the ratchet-teeth of the anchor-blocks.

2. A concrete fence-post provided with

wire-fencing holders each comprising a hollow anchor-block embedded in the body part of the post and having ratchet-teeth therein, and a fence-fastening device having a loop and also two limbs each having ratchet-teeth on opposite sides thereof coöperating with the ratchet-teeth of the anchor-block.

3. A fence-post formed of plastic material, and hollow anchor-blocks embedded in the plastic material and having each a plurality of ratchet-teeth at each one of two opposite sides of the interior thereof, in combination with a fastening device locked in the anchor-block by the ratchet-teeth thereof, and wire fencing held to the post by means of the fastening device.

4. A wire-fencing holder comprising a hollow anchor-block including a cap attached to an end thereof, the opposite end of the anchor-block being open and the interior thereof having ratchet-teeth at opposite sides thereof with faces of the ratchet-teeth inclined toward the open end of the anchor-block, and a fastening device attachable to the anchor-block by means of the ratchet-teeth therein.

5. A wire-fencing holder comprising a fastening device having a loop and also two limbs each having a plurality of ratchet-teeth on an edge thereof, and a hollow anchor-block having an external projection and also having ratchet-teeth therein for locking the fastening device thereto.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN B. WITTY.

Witnesses:

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E. T. SILVIUS.