No. 823,457. PATENTED JUNE 12, 1906.

J. T. WILSON.

MOLD FOR CEMENT POSTS.

APPLICATION FILED AUG. 12, 1905.

2 SHEETS—SHEET 1.

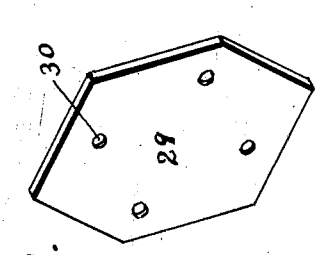


Fig. 9.

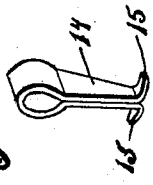


Fig. 4.

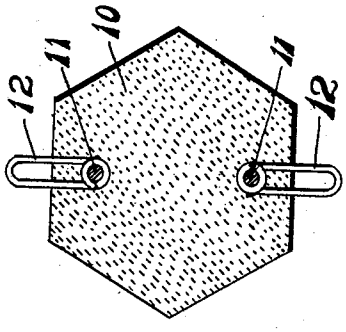


Fig. 3.

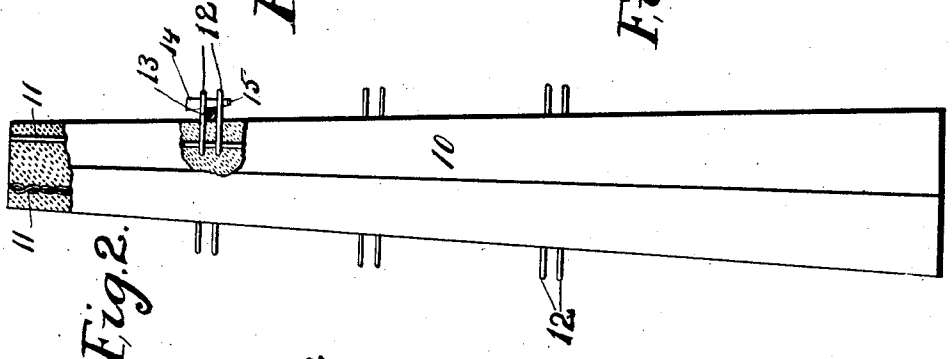


Fig. 2.

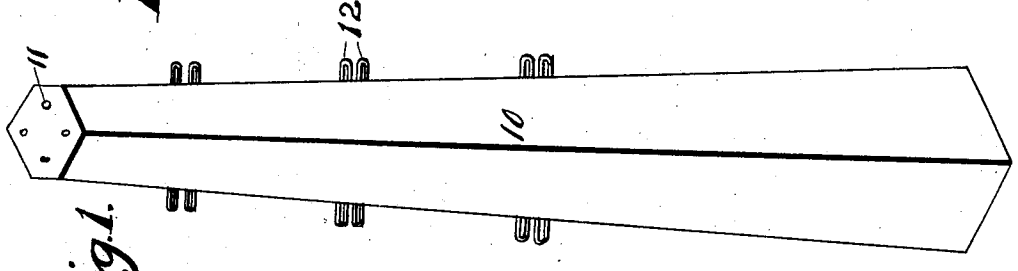


Fig. 1.

Witnesses.
A. E. Woody.
A. G. Hague

Inventor J. T. Wilson
By Owing & Lane Attys

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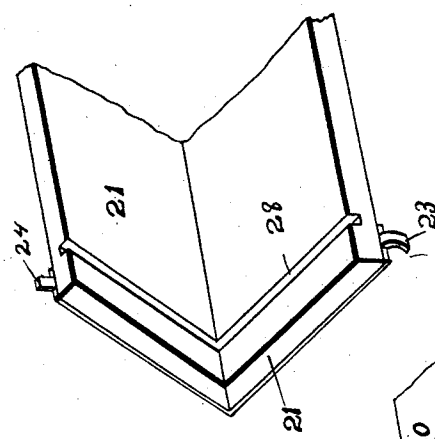


Fig. 7.

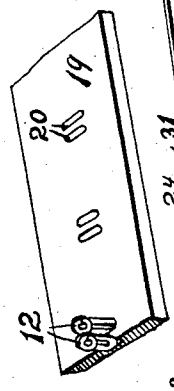


Fig. 8.

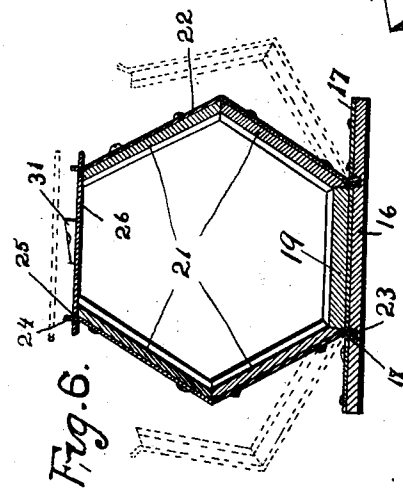


Fig. 6.

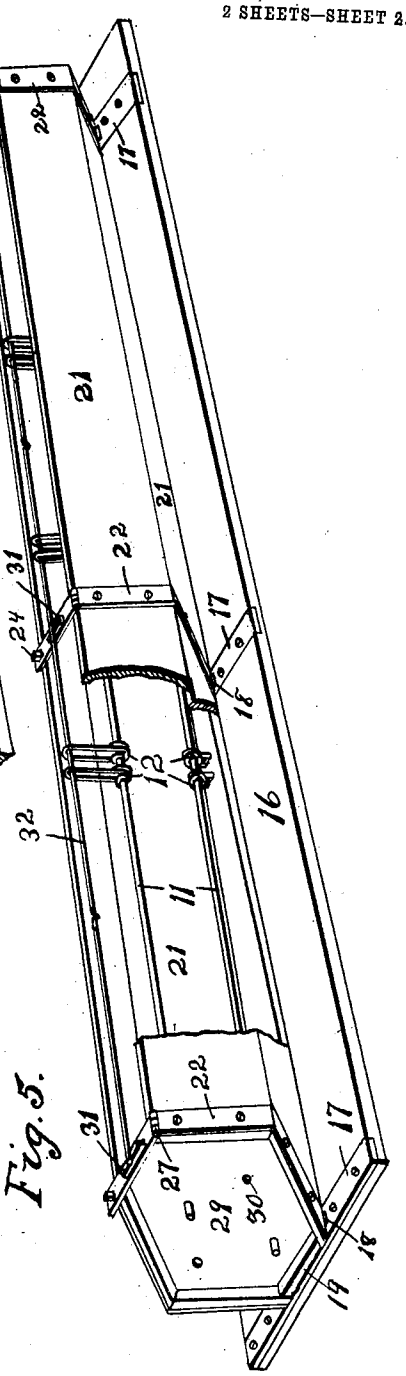


Fig. 5.

Witnesses.
A. E. Woody
A. G. Hague

Inventor J. T. Wilson
By Orwig & Lane Att'ys

UNITED STATES PATENT OFFICE.

JOHN T. WILSON, OF DES MOINES, IOWA.

MOLD FOR CEMENT POSTS.

No. 823,457. Specification of Letters Patent. Patented June 12, 1906.

Application filed August 12, 1905. Serial No. 273,983.

To all whom it may concern:

Be it known that I, JOHN T. WILSON, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented a certain new and useful Mold for Cement Posts, of which the following is a specification.

My object is to provide a cement post of simple, durable, and inexpensive construction in which the means for attaching fence-wires to the post consists of metallic electrical conductors connected with longitudinal electrical conductors in the post to coact with the fence-wires in carrying off electricity from the fence-wires to the ground.

A further object is to provide an improved mold especially designed for use in connection with forming said posts and in holding the fence-wire-attaching means to the longitudinal wires on the interior of the post and to proper position projecting beyond the post during the time the post is being molded.

My invention consists in the construction of the post and in the arrangement and combination with the mold of the means for holding the fence-wire-attaching devices to position while the fence-post is being molded, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 shows a perspective view of the fence-post complete. Fig. 2 shows a side elevation of same with parts broken away to show certain details of construction and with a fence-wire in position relative to one of the fence-wire-attaching devices. Fig. 3 shows an enlarged transverse sectional view of the complete post. Fig. 4 shows an enlarged detail perspective view of one of the wedges for holding fence-wires in the wire loops of the fence-wire-attaching devices. Fig. 5 shows a perspective view of the complete mold with the longitudinal fence-wires and the wire-attaching devices supported in position therein. Fig. 6 shows a transverse sectional view of the mold, the dotted lines indicating the position of the sides of the mold when swung outwardly. Fig. 7 shows a detail perspective view of one end of one of the mold sides. Fig. 8 shows a detail perspective view of a part of the mold-bottom, illustrating the manner in which the fence-wire-attaching devices are supported in said bottom; and Fig. 9 shows a detail perspective view of one of the mold ends.

Referring to the accompanying drawings, the reference-numeral 10 is used to indicate the body of the post, which is preferably made of a cementitious substance, tapering from its lower to its upper end and hexagonal in cross-section. Extending longitudinally from end to end of the post are the wires or rods 11 at suitable intervals throughout the length of the post. I have attached to the wires 11 a fence-wire-attaching device comprising two metal loops 12, slightly spaced apart from each other and each firmly connected with the wire rod 11. In attaching a fence-wire I place the fence-wire 13 between two loops 12 and then place a wedge 14 in said loops in engagement with the fence-wire, and I then turn the lower end of the wedge outwardly at 15 to firmly secure it in position and to hold the fence-wire against movement relative to the post, except in a longitudinal direction.

The mold comprises a base 16, having a number of transverse metal cleats 17, provided with notches 18. On top of the base 16 at its longitudinal center is a bottom board 19, formed with pairs of notches 20 at suitable intervals. The sides of the mold are indicated by the numeral 21 and are provided at suitable intervals with the brace-bars 22, having at their lower ends the lugs 23 to enter the notches 18 and having at their upper ends the lugs 24 to enter the notches 25 in the cross-pieces 26 at the top of the mold. In Fig. 5 I have shown a slight modification of this feature, which consists in dispensing with one of the extensions 25 and connecting the top piece 26 with one of the parts 23 by hinge 27. In each of the sides near each end is a notch 28, designed to receive the mold end pieces 29, which are formed with a number of openings 30 to receive and support the longitudinal wires or rods 11. On top of each cross-piece 26 is a bracket 31, designed to receive a longitudinal supporting-rod 32.

In practical use I connect the sides of the mold with the base and then connect the ends with the sides, and finally place the top pieces 26 in position. I then place the longitudinal rods 11 with their ends resting in the openings 30. Before doing this I connect the loops 12 with the rods 11 and I insert the lower ends of the lower set of loops 12 in the notches 20 to hold them properly spaced apart, and I then pass the rod 32 through the upper ends of the loops 12 at the top and rest said rod upon the bracket 31 to

securely hold the upper loops in position. I then fill the mold with cement and finish the top side thereof with a trowel. After the post has sufficiently hardened I release the top pieces 26, then remove the sides, and the post is completed ready to be carried away from the mold.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States therefor, is—

1. In a cement-post-molding device, the combination of a base, cross-pieces on the base formed with notches, side mold members formed with projections to enter said notches for detachably connecting the side members with the base, said side members notched at their end portions, end mold members inserted in said notches and formed with openings to receive longitudinal wires, top pieces connecting the sides and holding them in position and a rod supported above said top pieces, said rod capable of supporting fence-wire-attaching devices partly out of and partly in the mold.

2. In a cement-post-molding device, the combination of a base formed with cross-pieces provided with notches, the longitudinal central portion of the base formed with notches in pairs to receive fence-wire-attaching devices, mold side members provided with metal straps formed with projections to enter the notches in the cross-pieces of the base, said sides also formed with notches near their ends to receive end pieces, end pieces in said notches formed with openings to receive longitudinal wires or rods, top pieces connecting said straps on the side pieces and a rod above and supported by said top pieces.

JOHN T. WILSON.

Witnesses:
J. RALPH ORWIG,
S. F. CHRISTY.