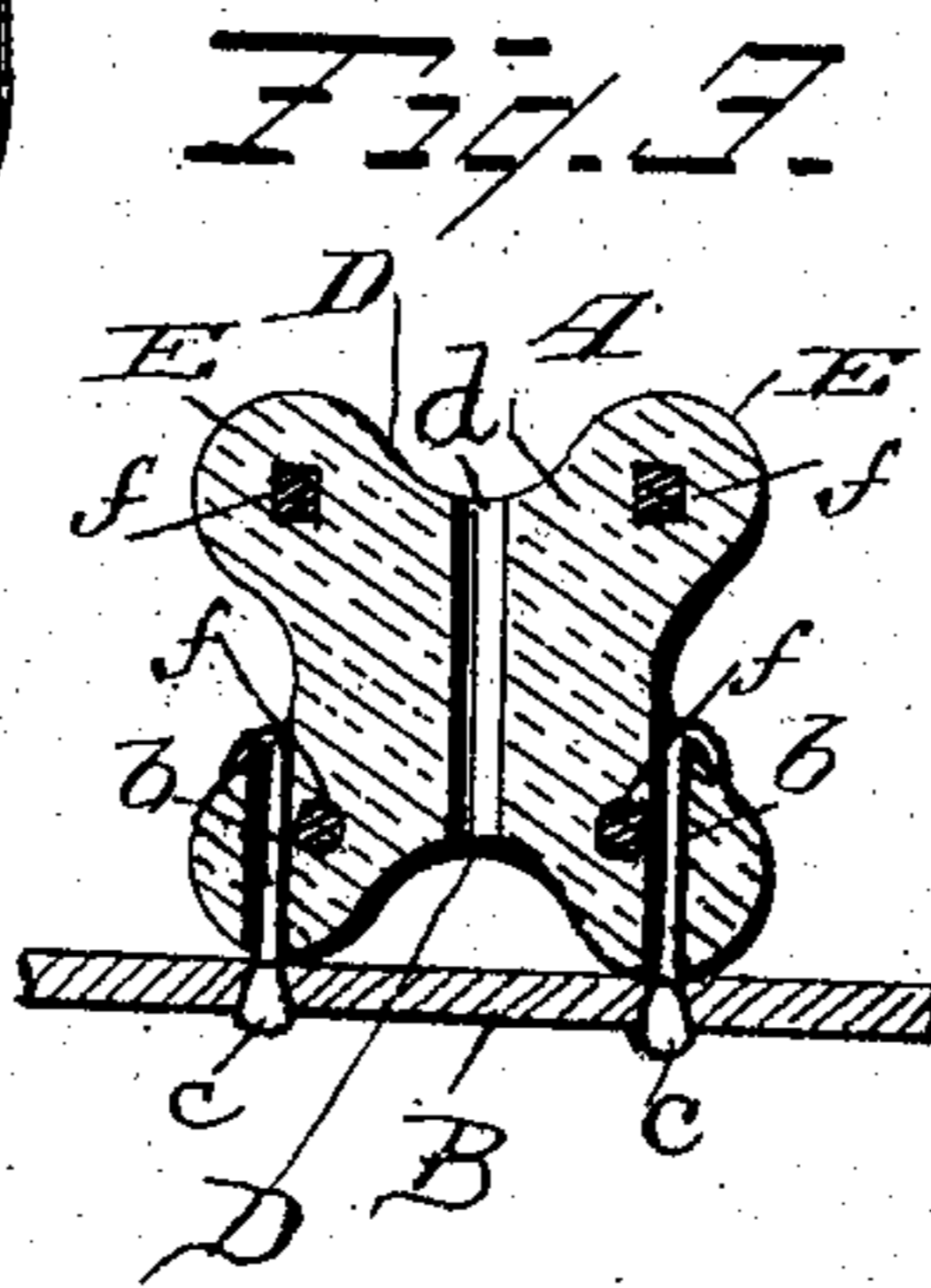
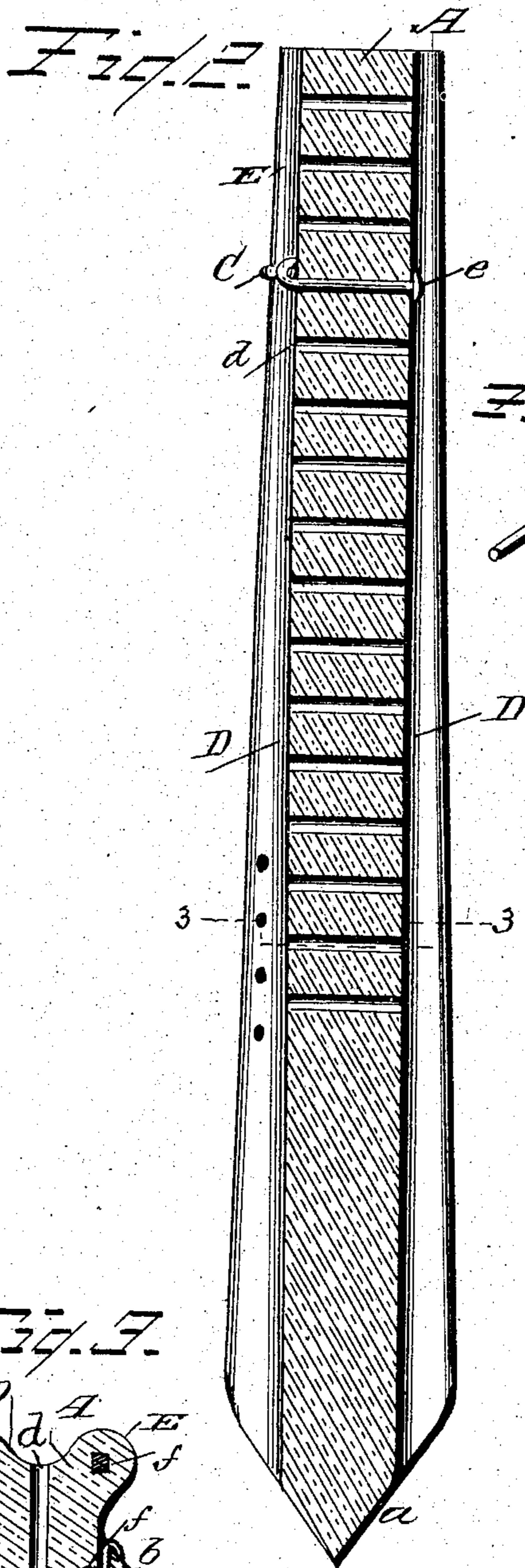
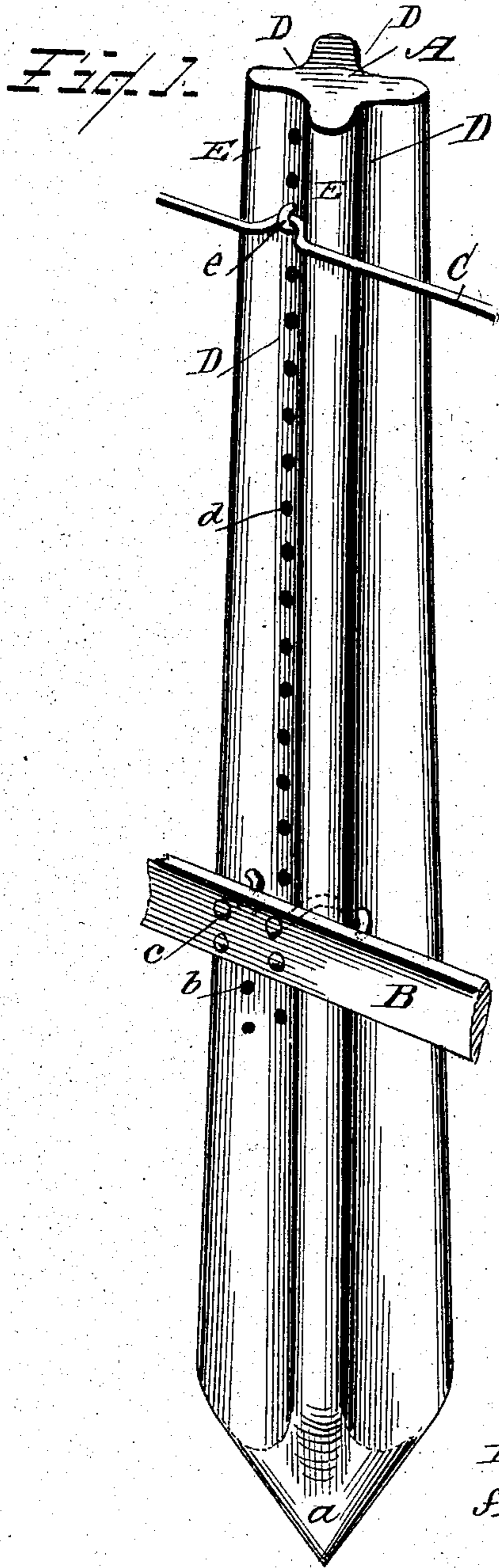


No. 781,210.

PATENTED JAN. 31, 1905.

H. M. KELLY.
FENCE POST.

APPLICATION FILED MAR. 22, 1904.



WITNESSES:

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HARVEY M. KELLY, OF IRVING, ILLINOIS.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 781,210, dated January 31, 1905.

Application filed March 22, 1904. Serial No. 199,352.

To all whom it may concern:

Be it known that I, HARVEY M. KELLY, a citizen of the United States, residing at Irving, in the county of Montgomery and State of Illinois, have invented certain new and useful Improvements in Fence-Posts; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has for its object to provide a post of plastic material in which the fence-wires may be connected thereto in such manner that said wires will be securely held in place and lessening the liability of sagging, the post being of such construction that a uniform length of fastening devices for the wires may be used with equal effect in drawing said wire in place; and the invention consists in a fence-post of plastic material constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of a post constructed in accordance with my invention, showing a portion of a base-board connected thereto and one of the fence-wires. Fig. 2 is a vertical longitudinal section through the post, showing one of the fence-wires and fastening devices therefor. Fig. 3 is a transverse horizontal section taken on line 3 3 of Fig. 2; Fig. 4, a perspective view of the fastening device for the fence-wire used to secure the same to the post.

In the accompanying drawings, A represents a fence-post having longitudinal beads E at its four corners and a tapering end *a*, so as to facilitate the same entering the ground, and suitable holes *b* for connecting to the post by suitable fastening devices *c* a base-board B, and a plurality of holes *d* for attaching to the posts the fence-wires, one of which is shown at C. The fastening device preferably used consists in a tie-bolt *e*, (shown in detail in Fig. 4 of the drawings;) but any suitable form of fastening device for both the fence-wire and the base-board may be used as found most desirable, this being left discretionary with the builders of the fence. As

shown in Fig. 3, the holes *b* pass through the two front beads of the post. Fencing material, such as B, may be secured to the outer faces of the front beads of the post by driving fastening means, as *c*, through the fencing means and also through the holes *b* of the beads and clenching the ends of said fastenings against the rear surface of said front beads.

The fence-post is molded out of a suitable plastic material, with the several holes therein to receive the fastening devices instead of securing the fastening devices rigidly in the post when it is being molded. The fastening devices for the fence-wire by which the same are secured to the post are separate and independent thereof, and any number may be used as found desirable, depending upon the number of fence-wires used, the fastening devices being capable of removal from the post when found necessary and other devices substituted.

The post A is molded with longitudinal grooves D between the beads E, said grooves gradually increasing in depth in a direction from the upper to the lower end of said post, so that the center of the body portion thereof will be of uniform thickness throughout its length, as shown in cross-section in Fig. 2 of the drawings. The fence-post is made tapering, gradually increasing in circumference in a direction toward its lower end, so that its greatest circumference will be embedded in the ground, which will give a more solid and firm support to that portion of the post above the ground, and it is further desirable that the central or body portion be of uniform thickness throughout the length of the post, so as to enable a uniform length of fastening devices to be used and still have the longitudinal grooves in the post. To secure these many advantages in a fence-post, the longitudinal grooves, as hereinbefore described, gradually increase in depth from the upper to the lower end thereof, the greater depth the groove the greater the fence-wire will be braced and held against displacement, thereby guarding against animals displacing the wires at the bottom of the fence.

The longitudinal grooves in the post facili-

tate holding the wire thereto by drawing said wire into the groove and against the beads E formed thereby, thus preventing the fence-wire from slipping endwise or sagging, the 5 lower wires having greater leverage thereon by the increased depth of the grooves.

If desired, when molding the post suitably-formed strips or pieces of wood, as indicated at f in Fig. 3 of the drawings, are placed in the 10 mold and the plastic material molded around them, said strips or pieces extending nearly the length of the post and only slightly shorter, so as to have the ends of the strips or pieces covered by the plastic material. Any suitable 15 material may be used in providing the strips or pieces, the same forming strengthening-braces for the post, and therefore I do not limit my invention to any specified material or any particular shape, and therefore 20 many changes may be resorted to in the construction of these braces as well as the post

and the fastening devices used to hold the fence-wires thereto.

Having now fully described my invention, what I claim as new, and desire to secure by 25 Letters Patent, is—

A fence-post having a plurality of longitudinal beads and with channels interposed between the same, holes passing through the opposite front beads, and fastening means ex- 30 tending through fence members and through said holes and clenched against the rear surfaces of said beads to hold the fence members against the front faces of the opposite front beads, substantially as specified. 35

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

HARVEY M. KELLY.

Witnesses:

A. J. PATRICK,
A. H. KELLY.