

No. 813,971.

PATENTED FEB. 27, 1906.

J. HINDS.
FENCE.

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Fig. 1.

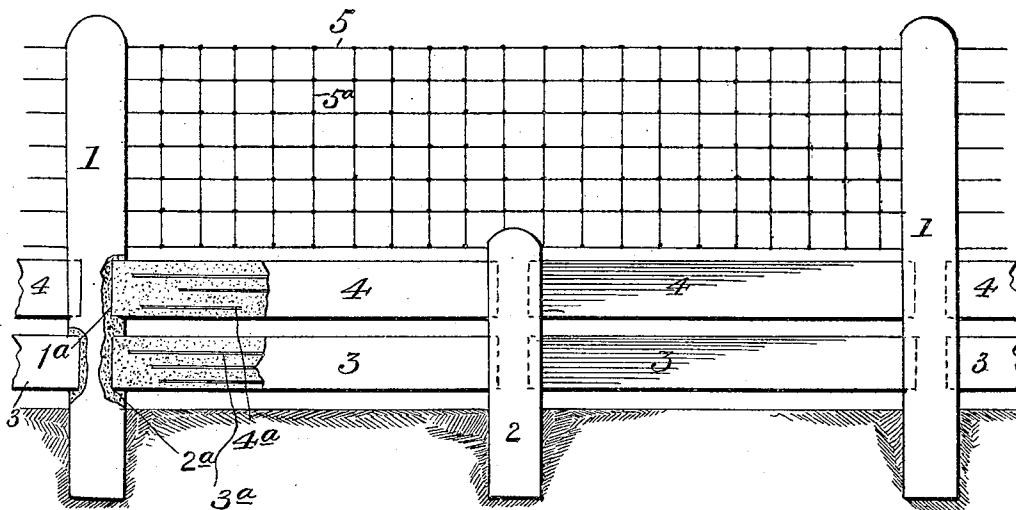


Fig. 2.

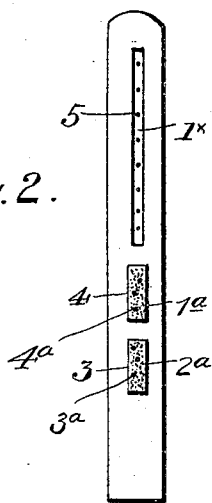


Fig. 3.

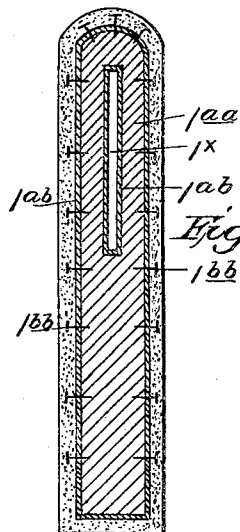
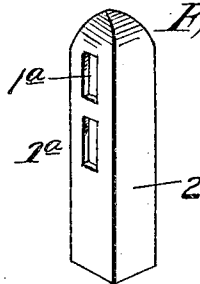


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FENCE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES HINDS, a citizen of the United States, residing at Paris, in the county of Edgar and State of Illinois, have invented new and useful Improvements in Fences, of which the following is a specification.

My invention relates to improvements in fences.

It has for its object to promote durability, strength, and stability, as well as to lessen expense and simplify the construction of parts; and to these ends the invention consists of certain structural features, substantially as hereinafter fully described, and particularly pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a side elevation thereof. Fig. 2 is a vertical or cross section of the same, taken close to one of the longer posts. Fig. 3 is a sectional elevation of one of said posts, showing its constituent parts. Fig. 4 is a detailed perspective view showing a short post.

In carrying out my invention I construct each panel of the fence of a number of long posts 1 and a number of short posts 2, all suitably planted in the ground, the short posts being placed intermediate of the long posts and two of the long posts constituting the ends of each panel, and of preferably two series of base or bottom boards 3 and 4 formed of concrete and each series arranged edgewise one with relation to the other and the individual boards of each series being disposed endwise one toward the other. Said posts, both long and short, have said series of concrete base-boards applied thereto, said posts having mortises or sockets 1^a 2^a produced in their opposite sides to receive the ends of the latter and retain them in position, while the lower series of boards are arranged a short interval above the ground or surface and the upper board series a like interval or space from the aforesaid board series. These base-boards have embedded therein reinforcing or strengthening wires 3^a 4^a, as indicated by dotted lines, the same being introduced when molding the boards, which may be done by any of the usual processes employed for like purposes. These posts are preferably

formed of suitable-sized wooden pieces or cores 1^{aa}, having longitudinal slots or openings 1^x therethrough for a purpose presently disclosed, which cores are suitably wrapped in tin or paper, as indicated at 1^{ab}, and have driven thereinto suitable-sized nails 1^{bb}, projecting, however, practically about a half-inch. The thus nail-equipped and wrapped cores are suitably enveloped or embedded in cement in the requisite form of mold in incasing the aforesaid named parts in cement in completing the formation of the posts, the slot or opening of each post being maintained intact, of course by suitably applying the tin or paper to the walls or sides and ends of said slot and the corresponding portions of the core at the outset and accordingly applying the cement or concrete to said portions, as will be readily understood.

Strung along through the openings or slots in the longer posts and secured to the end ones thereof above the shorter posts and the base-boards are line or longitudinal wires 5, which in the present instance have net-worked thereon transverse or stay-wires 5^a, or these may be omitted and only the former wires be employed, as is apparent.

The posts all being concrete or cement equipped or incased and the base-boards wholly of the same material, it is obvious that these parts are rendered effective or proof against ascending frost which would otherwise cause the premature decay or injury of said parts, thus promoting the lasting qualities or durability of the fence, as is obvious. It will also be noted that by wrapping the wooden cores of the posts as aforesaid they are isolated from the incasing or inclosing cement or concrete to prevent the moisture from the latter swelling the wooden cores, which it is apparent would cause the cracking of the concrete or cement when hardened and otherwise impair the posts, both as to stability and durability and in other respects.

I claim—

1. A fence, equipped with concrete or cement base-boards, posts having mortises to receive the ends of said boards, and formed of wooden cores wrapped in paper or tin and having the latter suitably secured thereon, and the whole incased in concrete or cement.

2. A fence, equipped with base-boards of concrete or cement, and posts having mortises effective to receive the ends of said boards and formed of wooden cores wrapped in tin
5 or paper, and having headed projections and the whole embedded in cement or concrete as set forth.

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

JAMES HINDS.

Witnesses:

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