

(No Model.)

E. A. VANCE.
WIRE FENCE.

No. 505,781.

Patented Sept. 26, 1893.

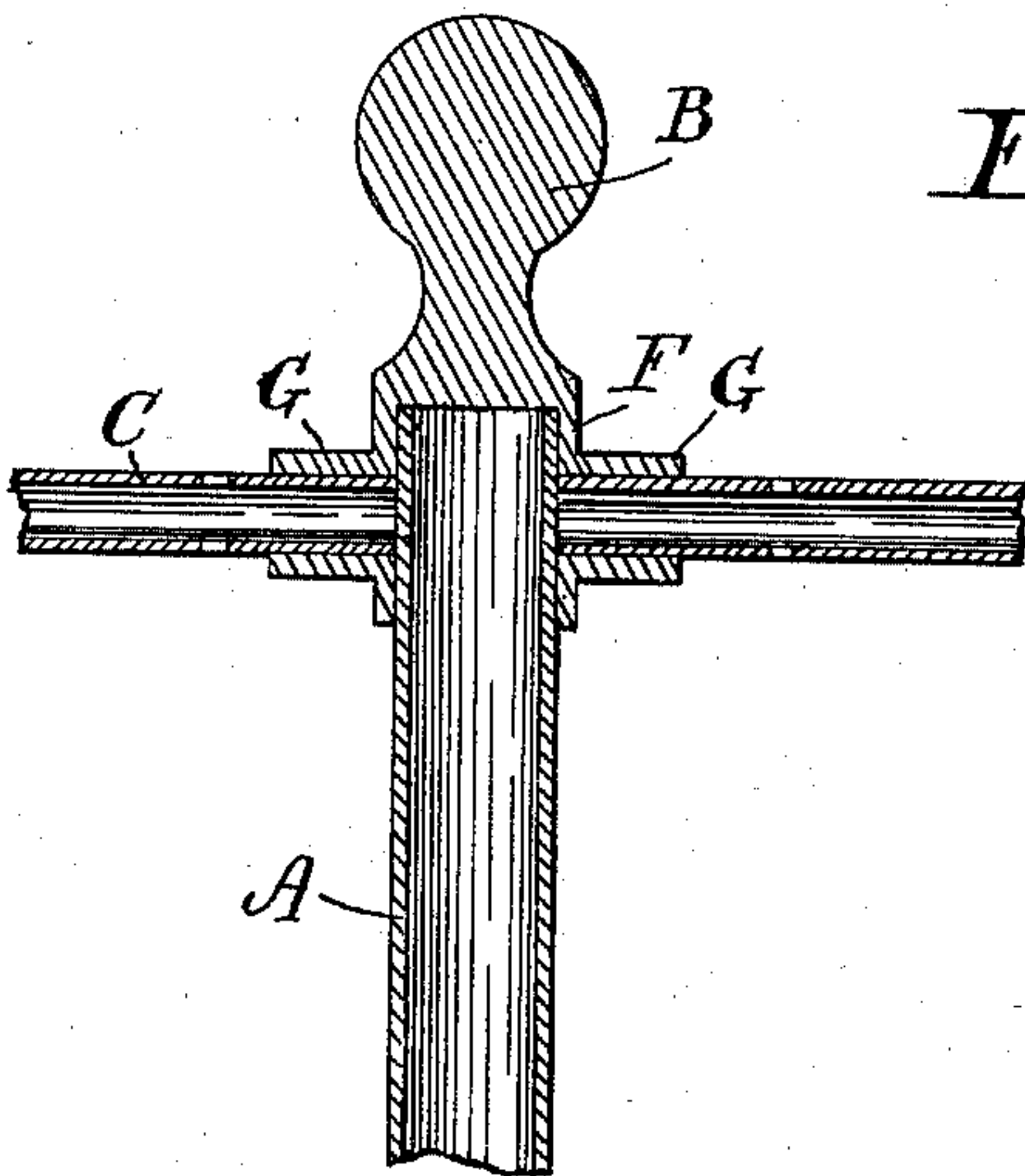


Fig. 2.

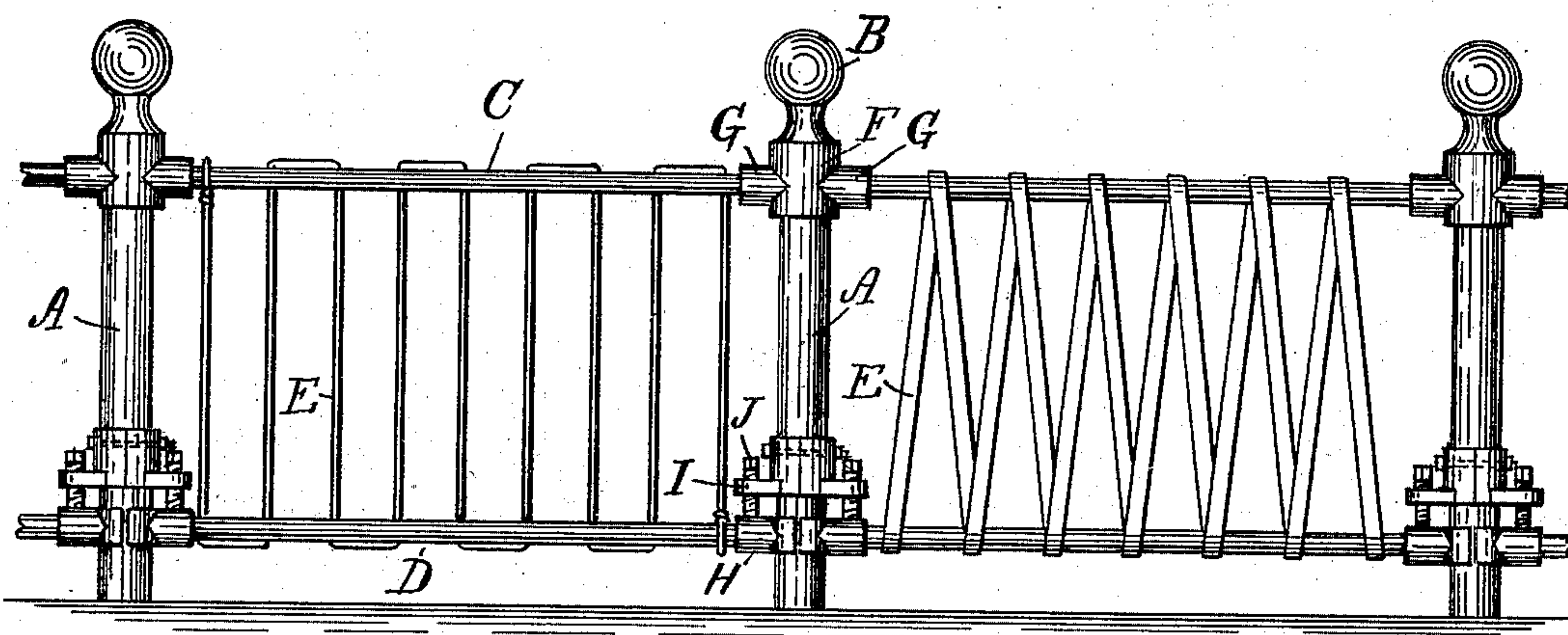


Fig. 1.

WITNESSES:

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INVENTOR

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EDWARD A. VANCE, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF
TO EDWARD P. VANCE, OF SAME PLACE.

WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 505,781, dated September 26, 1893.

Application filed June 16, 1893. Serial No. 477,803. (No model.)

To all whom it may concern:

Be it known that I, EDWARD A. VANCE, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Wire Fences, of which the following is a specification.

My invention relates to an improvement in wire fences.

The object of my improvement is, to provide, in that class of wire fences in which the wires extend vertically between the rails of the fence, means for tightening the wires, and for holding these several parts of the fence together, as hereinafter fully set forth.

The accompanying drawings illustrate my invention.

Figure 1 represents a side elevation of two panels of my improved fence. Fig. 2 represents, on an enlarged scale, a vertical section of a fence-post, and the cap therefor.

Each panel of the fence consists of a pair of posts, A, A, formed preferably of iron tubing, and each provided with a cap, B, a top rail C, which is rigidly secured to the posts, a bottom rail, D, which is vertically adjustable upon the posts, and a wire, or metallic ribbon, E, connecting the top and bottom rails and forming a series of palings. Each of the caps B is provided with a socket, F, adapted to receive the top of the post, and sockets, G, extending at right angles from socket F, and adapted to receive an end of the top rail. Each end of the lower rail is provided with a forked arm, H, which embraces the post so as to prevent lateral movement thereon, but which allows a vertical movement of the rail upon the post. Rigidly secured to each post, above the arms H of the lower rail, is a lug, I, projecting at right angles to the post, in the line of the fence, and carrying a set-screw, J, the lower end of which rests against the upper side of the lower rail. Each of the rails is perforated vertically to receive the wire or ribbon E, and the wire being made fast at one end to one of the rails is passed successively through the perforations vertically from rail to rail, and made fast at the other end.

In erecting the fence, the posts A having

been set in line, the bottom rail is first placed between the pair of posts with its arms H embracing the posts and free to slide vertically thereon. Lugs I are then secured to the posts. The ends of the top rail are now slipped into the opposed sockets G of the caps B, and the sockets F are slipped over the tops of the posts. The bottom rail being raised until it comes in contact with the under side of the lugs I, the wire E is passed from rail to rail as before described, the wire being drawn as taut as possible. To tighten the wire still further, when occasion requires, set-screws J are turned downward through the lugs I, thus forcing the lower rail downward.

It will be observed that the top rail and the caps B are securely held in position on the posts by the wire E and the lower rail D, and may be tightened thereon by the turning of screws J.

I claim as my invention—

1. In a wire fence, the combination of a pair of posts, a pair of rails extending horizontally from post to post, one of said rails being rigidly secured to the posts and the other rail being mounted between the posts so as to be movable vertically thereon, a wire or ribbon extending between and connecting said rails so as to form a series of palings, and means for adjustably securing said movable rail in position and thereby tightening the wire substantially as set forth.

2. In a wire fence, the combination of a pair of posts, a pair of caps each having a socket adapted to receive the top of the post and having also a laterally projecting socket adapted to receive the end of the top rail, the top rail mounted in said sockets, the bottom rail adapted at the ends to embrace the posts and to slide vertically thereon, the wire connecting said rails, and means for adjustably securing said bottom rail in position on the posts, whereby the wire is tightened and the caps and the top rail are secured to the posts substantially as set forth.

EDWARD A. VANCE.

Witnesses:

H. P. HOOD,
E. K. HOOD.