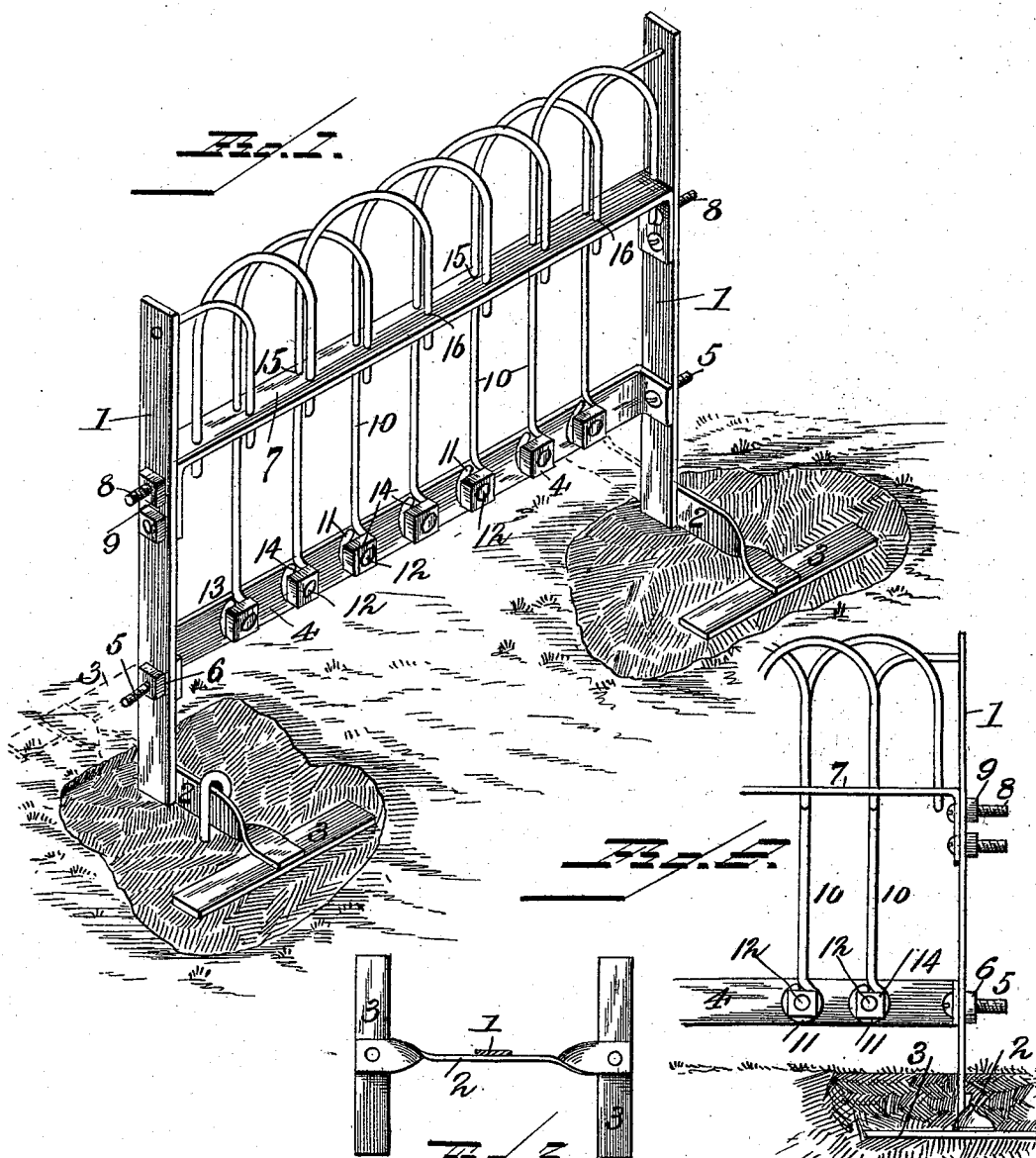


(No Model.)

J. HACK.
FENCE.

No. 534,714.

Patented Feb. 26, 1895.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOSEPH HACK, OF CROWN POINT, INDIANA.

FENCE.

SPECIFICATION forming part of Letters Patent No. 534,714, dated February 26, 1895.

Application filed May 19, 1894. Serial No. 511,820. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH HACK, a citizen of the United States, residing at Crown Point, in the county of Lake and State of Indiana, have invented certain new and useful Improvements in Fences; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention consists in a metallic fence, in which are embodied certain novel and valuable features, and which will be hereinafter fully described and claimed.

Referring to the accompanying drawings, in which the same numerals of reference indicate corresponding parts in the several views: Figure 1 is a perspective view of a panel of my fence, arranged in position. Figs. 2 and 3 are detail views.

In the accompanying drawings, 1, 1, indicate the posts of a panel of my metal fence, which are formed of flat metal bars of the form shown. The lower ends of these posts are secured to the center of cross-bars, 2, the ends of which are twisted over horizontally and secured to the center of feet, 3, 3, formed of the flat metal bars, and extending as shown parallel with the line of the fence, on each side of the same. These feet are preferably set some three inches below the surface of the ground, in putting up the fence, as shown in Fig. 1, to hide the feet and assist in holding the fence in position. It will be seen that this peculiar construction, which places the flat supporting feet out at the ends of the cross bars 2 at a distance from and on each side of the metallic fence, gives a very firm and stable support for the fence.

The bottom rail, 4, of my fence is formed of the same flat bar as the posts, &c., and extends in a vertical plane, as shown, from post to post, its ends being bent at right-angles and firmly secured to the side of the posts by the screw-bolts 5, 5, having the nuts 6 on their outer ends. The upper rail, 7, of the panel is

tends in a horizontal plane from post to post with its ends bent down at right-angles and secured to the posts by the screw-bolts 8 and nuts 9. These bolts are left full length to receive the ends of the bottom and top rails of the next panel, as will be readily understood.

The pickets of the fence are formed of the metal rods 10, the lower ends of which are flattened and curved into a loop or circle, 11; the said flattened ends being secured against the inner side of the vertically-arranged flat lower rail 4 by the series of screw-bolts 12 which are arranged in the series of holes 13 formed in said lower rail, and nuts 14 are screwed on the threaded ends of said bolts to bind the flattened circular ends of the rods firmly between said nuts and the flat side of the bottom rail. The upper part of each rod passes up through an aperture 15 in the top rail, and is then curved to bring its end down through an aperture 16 in the top rail by the side of the second rod from it, as will be readily understood by reference to the drawings.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A fence comprising the flat metal posts, the flat metal rails having their ends bent at right-angles and secured to the sides of the posts, the flat metal cross-bars centrally secured to the lower ends of the posts and having their ends twisted into horizontal planes, and the flat metal feet secured centrally, and at right angles, to the outer ends of said cross-bars, substantially as set forth.

2. The herein-described metallic fence consisting of the flat metal posts, the flat metal cross-bars centrally secured to the lower ends of the posts and having their ends twisted into horizontal planes and the flat metal feet secured centrally, and at right-angles, to the outer ends of said cross-bars, the lower rail consisting of the flat metal bar having its ends bent at right angles and secured to the posts, with its body arranged in a vertical plane and provided with the series of retaining screw-bolts and binding-nuts, the upper rail consisting of the flat metal bar having its body arranged in a horizontal plane and formed with the series of apertures, and its ends secured

to the posts, and the rods having the flattened
and looped lower ends secured as specified on
the inner side of the vertically arranged
lower rail and having the curved upper ends
5 passing through the apertures of the hori-
zontally arranged upper rail; substantially as
set forth.

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

JOSEPH HACK.

Witnesses:

A. A. SAUERMAN,
W. C. MURPHEY.