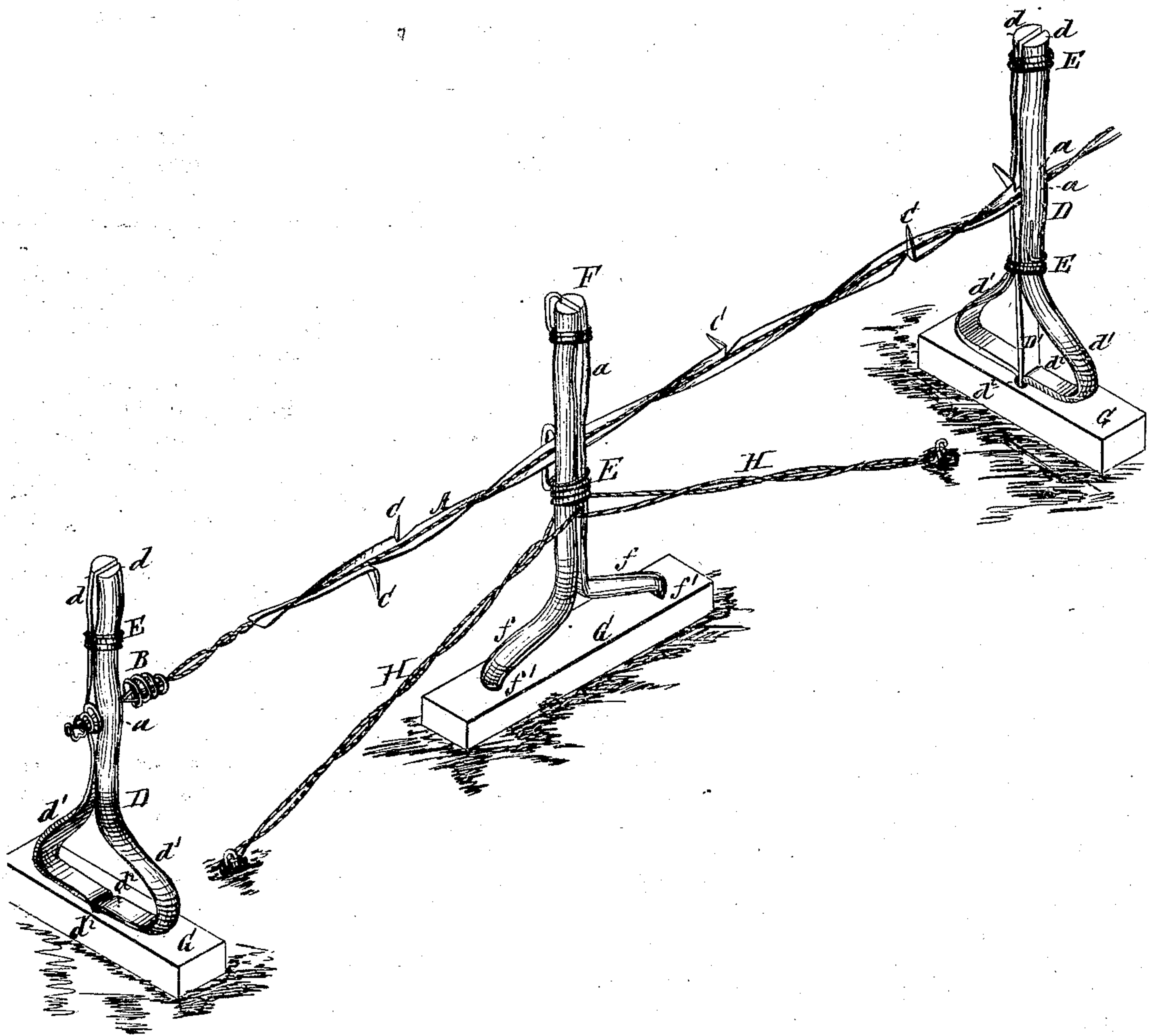


J. HAISH.  
Barbed Wire Fences.

No. 152,368.

Patented June 23, 1874.



WITNESSES.

Chas. A. Pettit  
Solon C. Kewan.

INVENTOR.

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# UNITED STATES PATENT OFFICE.

JACOB HAISH, OF DE KALB, ILLINOIS.

## IMPROVEMENT IN BARBED-WIRE FENCES.

Specification forming part of Letters Patent No. **152,368**, dated June 23, 1874; application filed April 18, 1874.

*To all whom it may concern:*

Be it known that I, JACOB HAISH, of the city and county of De Kalb, and State of Illinois, have invented a new and Improved Fence; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which the figure is a perspective view of my invention.

The invention relates to a novel construction of fence, both as respects the rail and posts, the same being as hereinafter fully described, and pointed out in the claims.

A represents a rail made of one continuous strip of sheet metal, spirally twisted, and held at one or both ends to the posts by a suitable spring, B. This spring allows for the contraction and expansion of the rail, the same tautness being thus always preserved. Spikes C are made at intervals by cutting oblique slits on opposite edges of rail, and turning out the acute-angled pieces thus formed. D is an end post made in two sections,  $d$   $d$ , preferably of half-round iron, each having a brace-bow,  $d^1$ , at the base, and bent outwardly, the same being provided with projecting lower ends  $d^2$  that extend into the wooden or stone support or foundation G. The two halves are held firmly together by one or more bands or coiled wires, E, and are bowed or concaved at points  $a$  through which the rail passes. D' is a wedge, which serves to make and preserve a close joint between the sections and the foundation. F is a two-part central or brace post, bent out at the lower end to form braces  $f$   $f$ ,

whose ends  $f'$   $f'$  enter the foundation G at different points. I also, preferably, use the braces H H extending in the direction of the fence, and on its opposite sides. These posts may be treated to a coat of some cheap weather-proof paint, or analogous substance. They are then extremely durable, little subject to decay from atmospheric influences, and withal conveniently portable.

Its ready detachability and portability give the fence great advantages for surrounding yards or stacks, and making cross-lines or outlines, while, being thoroughly braced, it is not liable to be overturned by winds, heavy snows, or storms. These considerations, together with the small cost of its manufacture, commend it to the favorable consideration of all who need a cheap and durable enclosure.

Having thus described my invention, I wish it distinctly understood that I disclaim everything described in my specification, or shown in my drawing, except the following, which I claim as new, and of my invention—

1. A fence-rail consisting of twisted wires, and spirally interwoven metallic strip having projecting spurs, as shown and described.

2. The combination of two-part post D, wedge D', and foundation G, as and for the purpose specified.

The above specification of my invention signed by me this 30th day of March, A. D. 1874.

JACOB HAISH.

Witnesses:

CHAS. H. SALISBURY,  
P. LINDBERRY.

500 words.