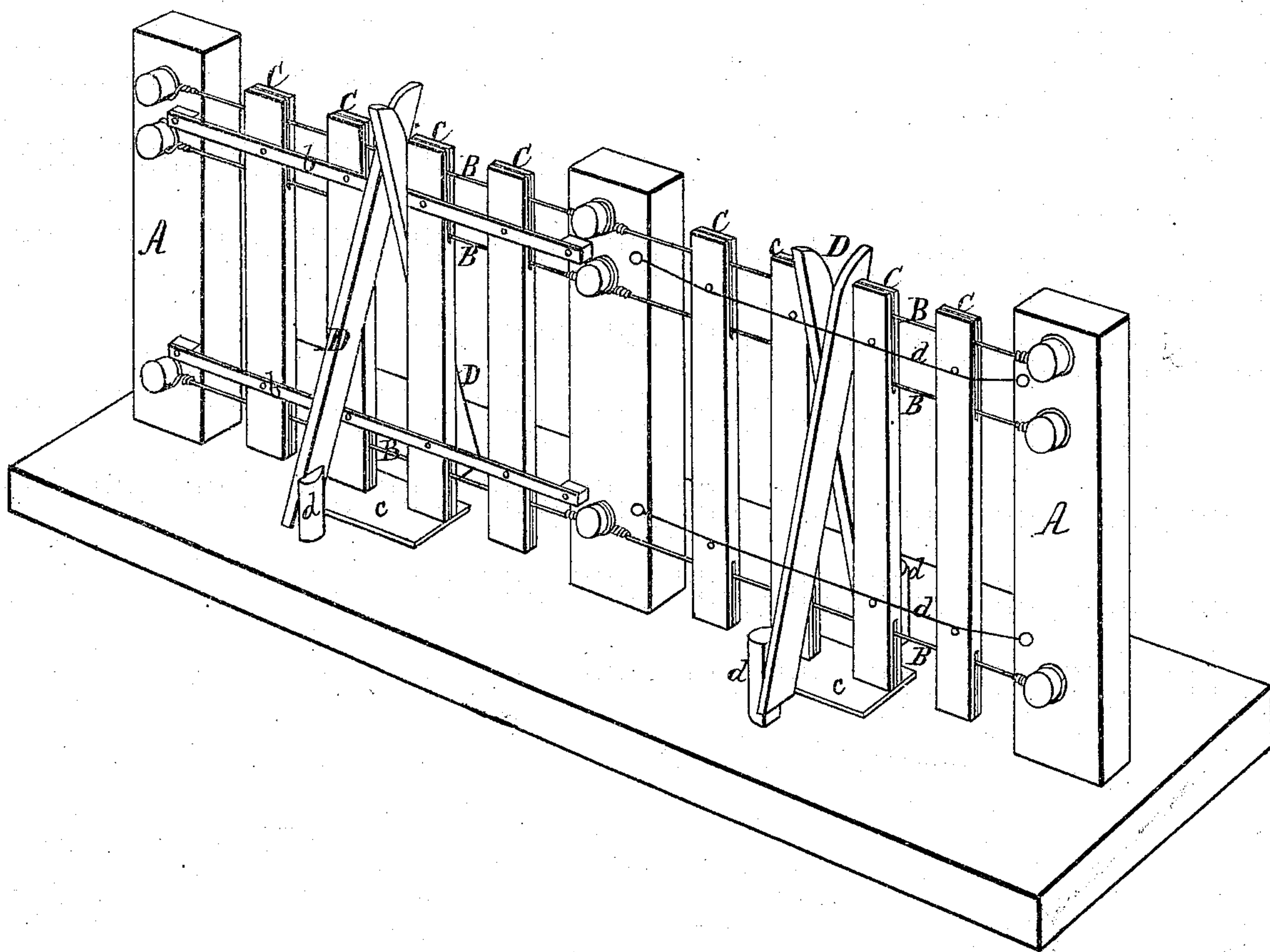


D. B. Ayres.

Fence.

N^o 93397.

Patented Aug. 10. 1869.



Attest

H. T. Ebbel.
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Inventor.
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United States Patent Office.

DANIEL B. AYRES, OF BROOKLYN, MICHIGAN..

Letters Patent No. 93,397, dated August 10, 1869.

IMPROVEMENT IN FENCES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern :

Be it known that I, DANIEL B. AYRES, of Brooklyn, in the county of Jackson, and State of Michigan, have invented a new and useful Improvement in Fences; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to the construction of a fence, wherein a very large proportion of the posts is dispensed with; and, as posts set in the ground have a constant tendency to decay, this dispensing with their use, in a great measure, will prove economical and beneficial.

The invention consists in suspending two or more tightly-drawn wires between two firmly-braced corner-posts, at any desired distance apart, which said wires are designed to sustain the pickets in an upright position, while said pickets are retained in position, relative to each other, by subsidiary wires, the whole constructed and arranged as more fully hereinafter shown and described.

In the drawings—

A represents two corner-posts, between and properly secured to which are stretched the wires (two or more of them) B, by means of which the pickets C are sustained in a vertical position.

These pickets are slotted at top and bottom, as shown, by means of a circular or other saw whose set is equal to the diameter of the wires B, which pass through said slots.

The pickets may be secured upon these wires, at any desired distance apart, by means of the subsidiary wires *a*, whose ends are secured to the corner-posts,

and, at desired intervals, to the pickets, by any convenient device; or ribs or bars of wood, *b*, may be used for this purpose.

To prevent sagging, there should be placed upon the ground, and underneath the pickets, small blocks or stones, *c*. These are not required under every picket, but may be used under as many of them as may be necessary.

It will be seen that the pickets do not have their weight thrown upon the wires B, as the latter are designed simply as guides to hold the former in a vertical position, while their weight is sustained upon the subsidiary wires *a* and blocks or stones *b*.

It will be necessary, should the length of fence between the corner-posts be too great, to prevent a swaying motion of the fence by braces D, which should engage with the top wire, and may be secured, at their bottoms, to small stakes *d*, driven into the ground.

A board fence may be constructed in the usual way, but with the posts shortened, so as not to enter the ground. Then, by cutting slots (like those shown and described as being cut in the pickets) in the posts, the wires B may be passed through them in the same way, and the fence secured in a vertical position thereby.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the posts A, the wires B, the pickets C, and the subsidiary wire *a*, when constructed, arranged, and operating as and for the purposes aforesaid.

DANIEL B. AYRES.

Witnesses:

JAS. I. DAY,
H. F. EBERTS.