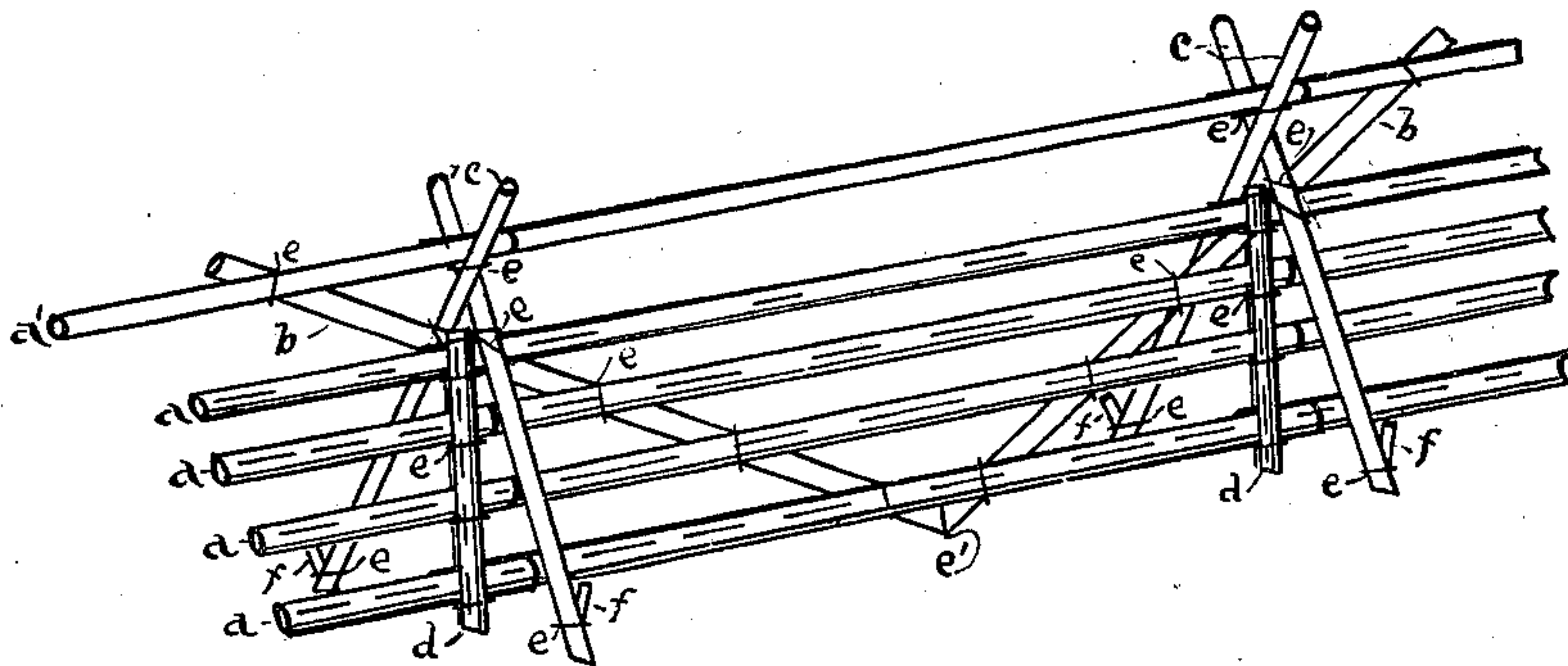


No. 674,204.

Patented May 14, 1901.

R. E. GRANT.
RAIL AND RIDER FENCE.
(Application filed Feb. 25, 1901.)

(No Model.)



WITNESSES.

Ure Cillery.
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ROBERT E. GRANT, OF GRAND RAPIDS, MICHIGAN.

RAIL-AND-RIDER FENCE.

SPECIFICATION forming part of Letters Patent No. 674,204, dated May 14, 1901.

Application filed February 25, 1901. Serial No. 48,831. (No model.)

To all whom it may concern:

Be it known that I, ROBERT E. GRANT, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Rail-and-Rider Fences, of which the following is a specification.

My invention relates to improvements in rail fences for use in partitioning farms and for kindred purposes; and its object is to improve the system of bracing this class of fences. I attain this object by the mechanism illustrated in the accompanying drawing, in which I deem a single perspective view, as given, sufficient to fully illustrate my invention.

Similar letters refer to similar parts wherever they occur in the drawing.

a represents the lower rails of the fence, and a' represents the top rail or rider, the whole being supported by the posts d and the cross-stakes c , the rails being secured to the post by wires e in the usual manner and the whole braced by the stakes, as indicated in the drawing, the rider a' being supported in the angle of the stakes above the line of crossing, all of which is common in this class of rail fences.

Coming now to my invention, I wire or otherwise secure the braces b to the rider and one or more of the lower rails and abut the lower ends together, as at c' , so that these braces, together with the rails, form a continuous longitudinal brace.

Another important feature in my invention consists of the manner of securing the feet of the stakes, which is accomplished by wiring an anchor-stake f to the foot and then driving it into the ground in such a manner as to

draw heavily upon the wire and through it upon the foot of the stake.

In most fences of the rail-and-rider class the supporting-post d is beveled at the upper end and secured to one of the cross-stakes. I find this a great disadvantage, as the settling of the fence will cause the stake that is secured to the post to rest heavily upon the post and will cause the fence to lean in the opposite direction, which renders it not only unsightly, but liable to fall down, while with the post independent of the stakes, as in my fence, the settling of the fence will be uniform, and as the stakes from both sides act equally upon the fence the fence will always stand vertical and the effect is much more satisfactory.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In combination with a rail-and-rider fence, longitudinal braces secured to the rider and diagonally passing, thence, to the bottom of the fence where the ends of two abut solidly, substantially as and for the purpose set forth.

2. In combination with a rail-and-rider fence, longitudinal braces secured to the riders and passing thence diagonally to the bottom of the fence and the adjacent ends abutting solidly, and independent posts for supporting the lower rails, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, February 22, 1901.

ROBERT E. GRANT.

In presence of—

ITHIEL J. CILLEY,
A. L. CRAWFORD.