

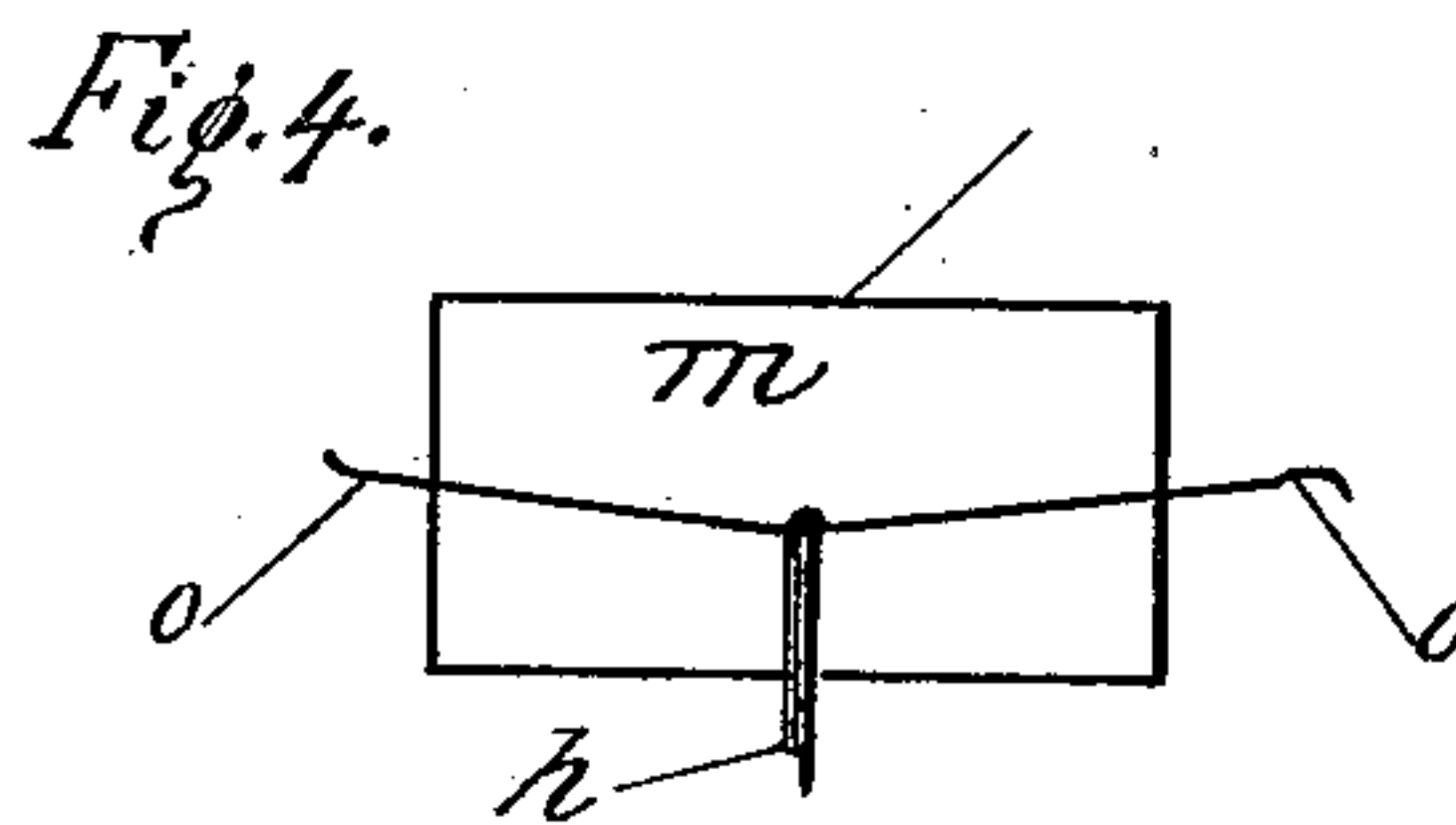
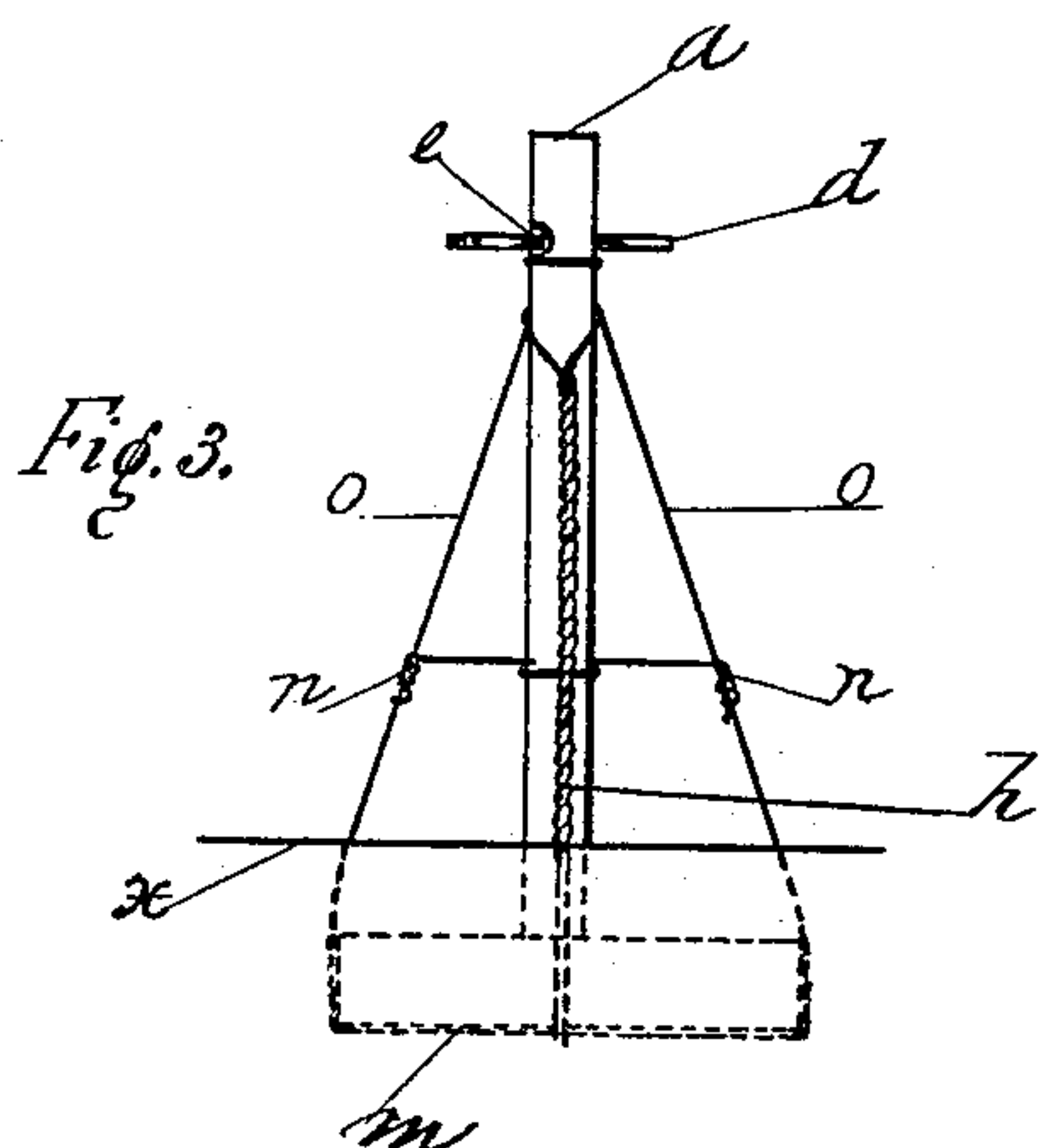
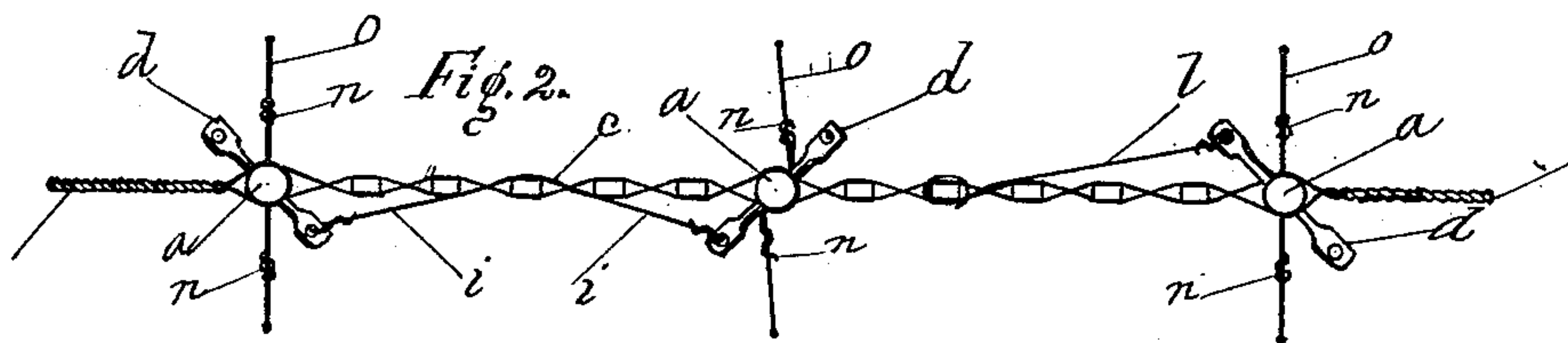
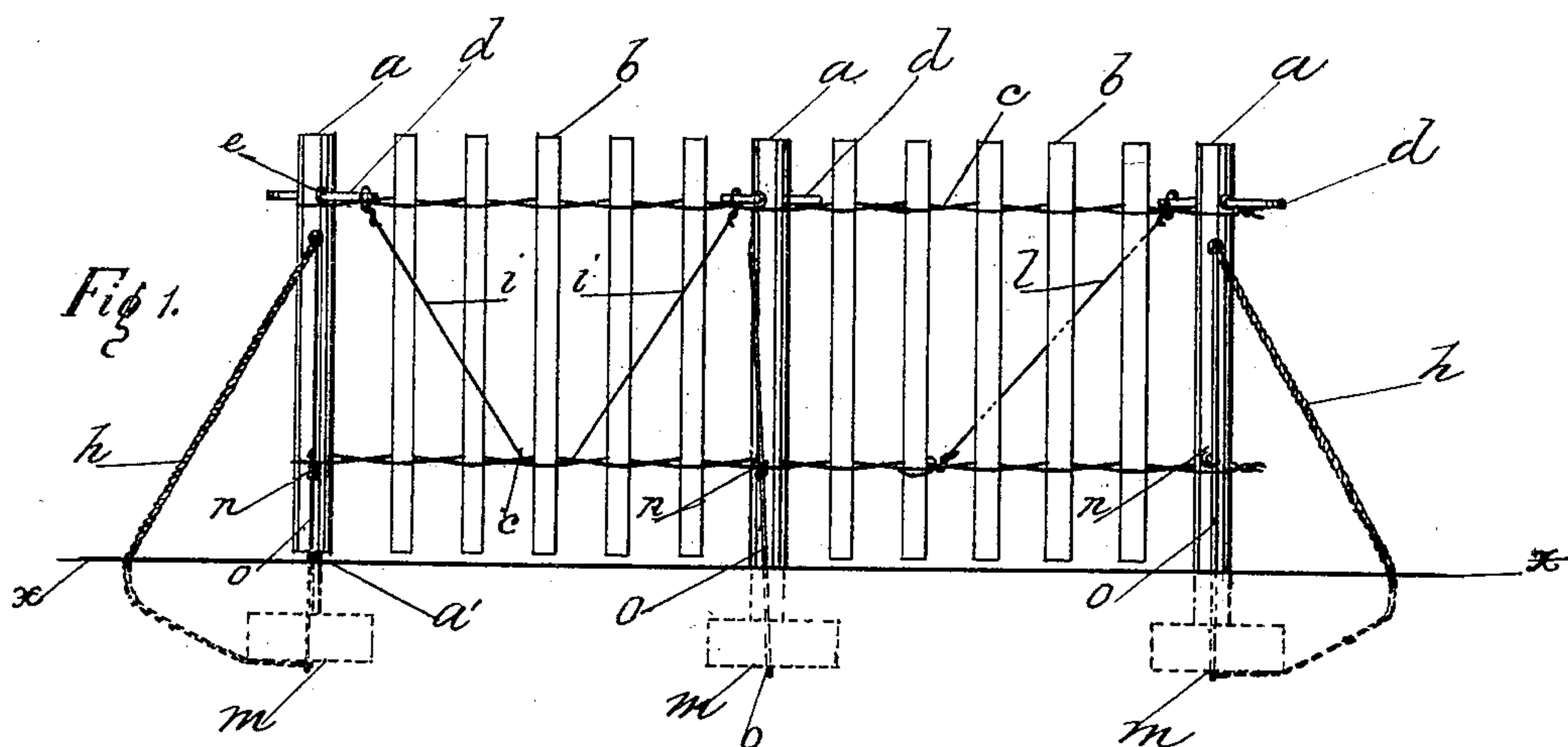
(No Model.)

L. A. CUSSINS.

FENCE.

No. 353,626.

Patented Nov. 30, 1886.



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UNITED STATES PATENT OFFICE.

LUCIAN A. CUSSINS, OF NEW PARIS, OHIO.

FENCE.

SPECIFICATION forming part of Letters Patent No. 353,626, dated November 30, 1886.

Application filed March 26, 1886. Serial No. 196,651. (No model.)

To all whom it may concern:

Be it known that I, LUCIAN A. CUSSINS, a citizen of the United States, residing at New Paris, in the county of Preble, State of Ohio, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to that class of fences composed of wire and wood.

My invention consists in a fence constructed substantially as hereinafter described and claimed.

In the drawings, Figure 1 is a side elevation of my improved fence, showing the ground-line and the foundation below said line in dotted lines. Fig. 2 is a top plan view of the fence. Fig. 3 is an end elevation of the same. Fig. 4 is an inverted view of the foundation and the braces.

In Fig. 1, *a a a* represent the posts which support the fence, *b b* the pickets, and *c c* the wires, which are twisted together to hold the pickets.

d d d are brace-levers inserted horizontally in holes *e*, near the top of the posts *a*, and are provided with holes in each end, to which brace-wires *i i l* are affixed.

The foundation *m* is composed of one or more blocks of stone or timber, of suitable size and form, placed in the ground and far enough below the surface to insure the requisite solidity, wires being placed under the foundation, (one or more, as may be required,) which extend upward to or near the top of the post, where they may be passed through the post or suitably secured to it. The post *a*, made either square or round, is provided with a metallic continuation, *a'*, made of a bar of iron and inserted in the bottom of the post. By the use of this continuation or sub-post *a'* the post proper, *a*, is kept from contact with the ground and its durability increased, and the post may be more easily turned when required. The pickets are woven in by the wires *c c* in the usual manner.

o o o are single wires passing under the foundation and embracing it, as seen in Fig. 4, and rising from the surface of the ground are attached to the post *a*, at or near the top, as seen in Fig. 3, either by being passed through a hole in said post or in any other

suitable manner, so as to be rigidly secured. A horizontal wire, *n*, is passed through the post *a* loosely, the ends of which are twisted snugly around the wire *o*. Guys *h h*, made of double wires twisted together and looped around the wire *o* at the center of the foundation, are attached to the posts *a a* at the ends of and in a line with the fence, and said wires act as stays on the posts and fence endwise, to keep it in position.

Brace-wires *i i* are attached to the brace-levers *d d*, and pass down under the lower series of wires, *c c*, and around the picket *b*, midway between the posts *a a*, as seen in Fig. 1. These brace-wires, when drawn tight, act on the brace-levers *d d*, and have a tendency to revolve the posts *a a* partially toward each other, which motion, operating on the horizontal wires *n n*, shortens them by deflecting them from a straight line, pressing the wires *o o* in toward the post, and thus binds the posts to their foundation, while the continuous pressure is transmitted to the brace-wires *i i*, acting to sustain the weight of the center of the panel of fence by their connection with the wires *c c* and the pickets *b*.

It will be seen that by the partial revolution of the post *a* the wires *n n* are shortened and a strain imposed on the wires *o o*, and this strain is exerted and maintained by the action of the brace-wires *i i* on the brace-levers *d d* in their connection with the post.

l represents a brace-wire reaching only over a part of a panel and secured at its lower end to the wire *c* and picket *b*, while at the top it is similarly attached to the brace-lever *d*.

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

A fence composed of the posts *a*, each provided with a metallic continuation, *a'*, brace-levers *d d*, connected with brace-wires *i i l*, and side brace-wires, *o o*, combined with the horizontal wires *c c*, pickets *b b*, and the foundation *m*, in the manner and for the purpose herein set forth and described.

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

LUCIAN A. CUSSINS.

Witnesses:

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W. C. DENNIS.