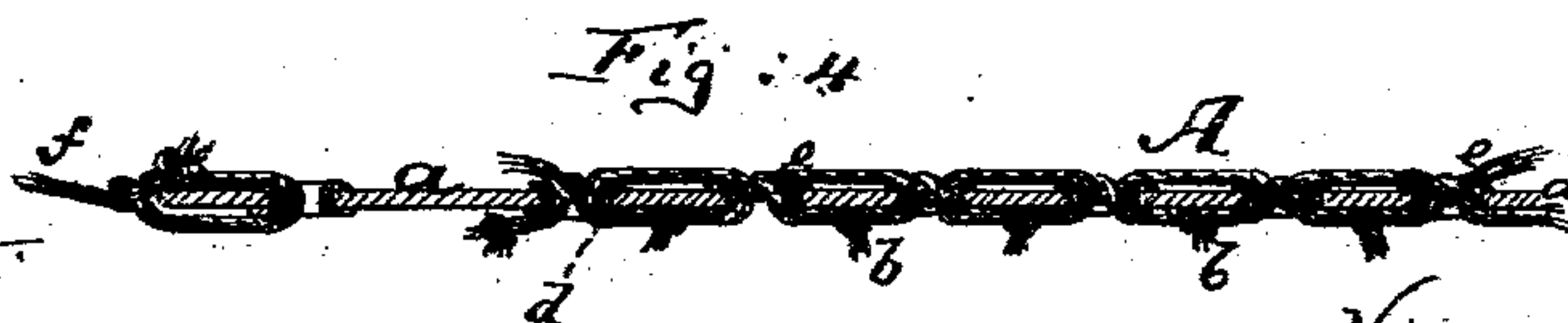
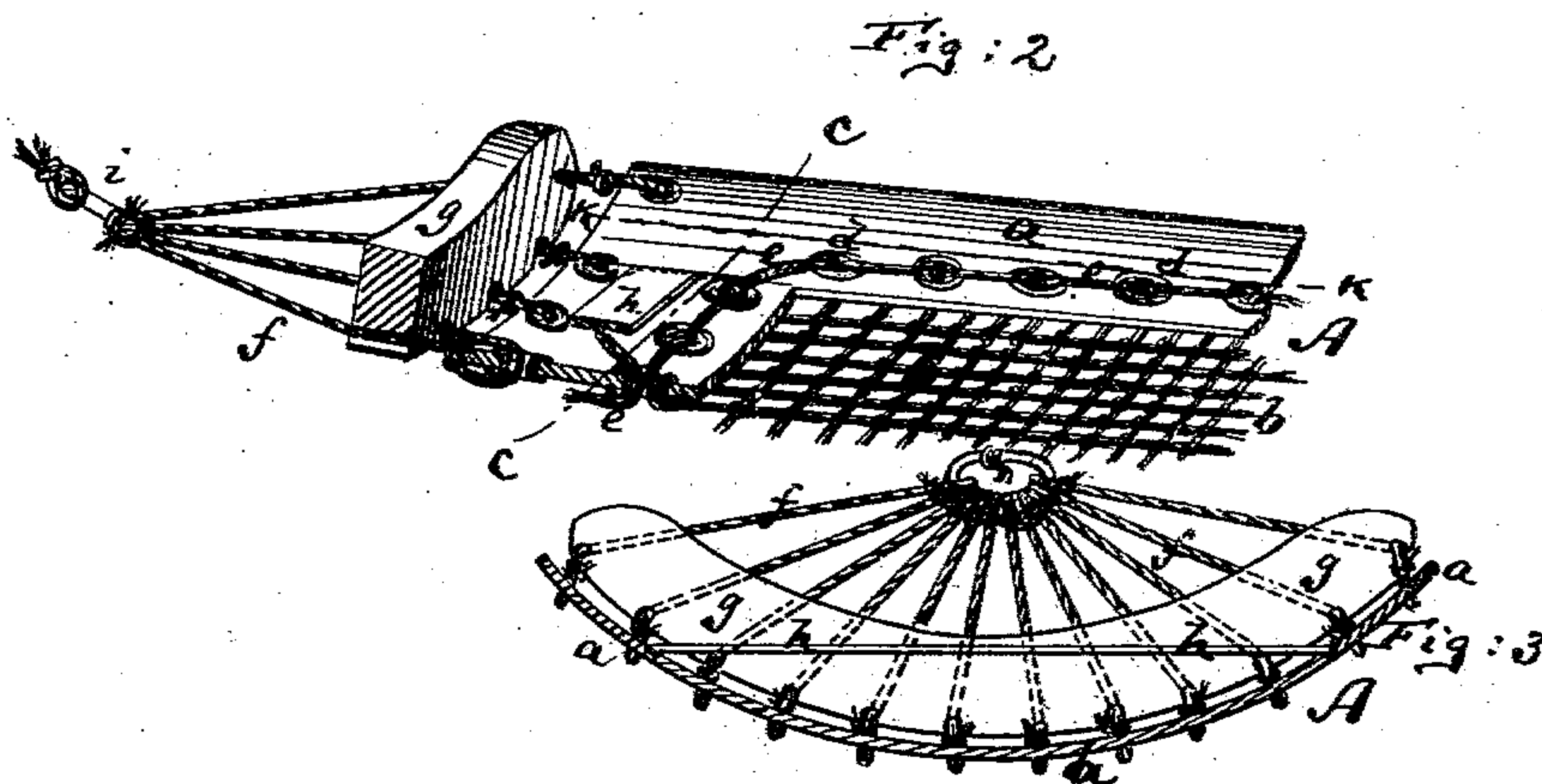
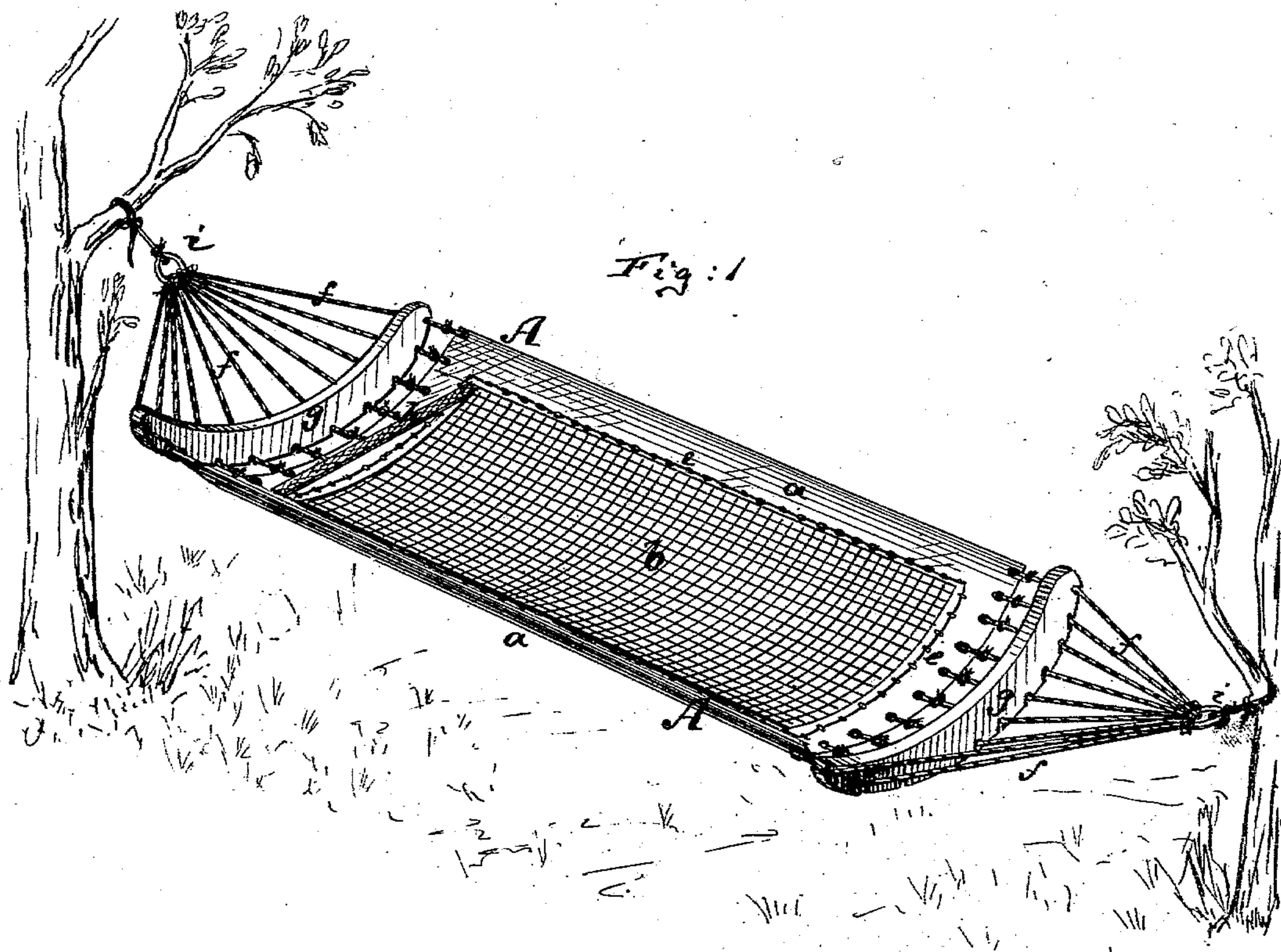


V. P. TRAVERS.  
Hammock.

No. 221,754.

Patented Nov. 18, 1879.



Witnesses  
W. J. & Schultz  
A. Briesen

Inventor.  
Vincent P. Travers.  
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# UNITED STATES PATENT OFFICE.

VINCENT P. TRAVERS, OF NEW YORK, N. Y.

## IMPROVEMENT IN HAMMOCKS.

Specification forming part of Letters Patent No. **221,754**, dated November 18, 1879; application filed August 21, 1879.

*To all whom it may concern:*

Be it known that I, VINCENT PAUL TRAVERS, of the city of New York, in the county and State of New York, have invented a new and Improved Hammock, of which the following is a specification.

In the accompanying drawings, Figure 1 is a perspective view of my improved hammock. Fig. 2 is a detail perspective view of a portion of the same. Fig. 3 is a transverse section taken on the line *c c*, Fig. 2; and Fig. 4, a longitudinal section on the line *k k*, Fig. 2.

Similar letters of reference indicate corresponding parts in all the figures.

This invention relates to an improved hammock which allows free circulation of air, and is, nevertheless, strong and convenient in use.

The invention consists, first, in so making the hammock, which consists of two materials—to wit, a border of duck, canvas, or similar closely-woven material, having an inner row of prepared apertures, and an interior portion made of reticulated fabric—that the two materials can be readily taken apart or re-joined by a cord.

The invention also consists in the novel use of detachable notched distending-blocks, and in an improved head-rest, all as is hereinafter more fully described.

In the drawings, the letter A represents my improved hammock. The body of this hammock is composed of border *a*, made of duck, canvas, or similar closely-woven material, and an inner seat or filling, *b*, made of reticulated fabric. The border *a* is of suitable size, of rectangular or other shape, and incloses a space sufficiently large for a person to rest within.

The reticulated fabric *b* is joined to the inner edge of the border *a*, and may be of rectangular, oval, or other form, the inner edge of the border *a* corresponding substantially to the outer edge of the fabric *b*.

The two fabrics *a b* may be joined in suitable manner; but I prefer to connect them in such a way that the fabric *b* is removable, and may be replaced when worn. To this end I provide the border *a* along its inner edge with a series of eyelets, *d d*. A cord, *e*, passed alternately through these eyelets and the outer meshes of the reticulated fabric *b*, and tied or

otherwise united at the ends, will securely join the fabrics *a b*, and will still allow the fabric *b* to be removed by simply detaching the cord *e*.

Instead of the eyelets *d*, small button-holes may be used, and the two fabrics may, if desired, be united by hooks and eyes, buttons, buckles, or in other equivalent manner.

To the ends of the border *a* are respectively fastened a series of suspension-ropes, *f f*, &c., which are joined at their outer extremities by rings *i*, or otherwise, and by which the hammock is suspended from trees or other supports in the ordinary manner.

In order to keep the hammock from collapsing, I employ two curved distenders or blocks, *g g*, made of wood or other rigid material, of a length about equal to the width of the hammock. These two blocks *g g* are provided with notches at their lower convex edges, the distance between the several notches corresponding to the proper distance between the suspension-ropes *f f* near the border *a*. The blocks *g g* are placed at the head and foot of the hammock, respectively, over the ropes *f f*, in such a manner that said ropes enter the notches in the distention-pieces, as shown in Figs. 1, 2, and 3. In this way the hammock will be kept properly distended, and at the same time the distention-pieces are readily removable for stowing the hammock conveniently away. Moreover, these blocks, being notched, are readily made to space the cords *f*, so that two or more such cords may be put into the same notch to "right" the hammock or more or less incline it, as may be desired.

*h* is the head-rest of my improved hammock. It consists of a short strap of canvas, leather, or other material, connected at its end to the border *a* near one end of the hammock, but is disconnected between said ends. This strap is shorter than that part of the hammock over which it extends, so that it will be drawn taut when the hammock is properly suspended, and thereby elevated above the central part of the hammock, constituting thus a yielding head-rest.

I claim—

1. As a new article of manufacture, the hammock A, made of a border, *a*, of canvas or other closely-woven fabric, which border is connected to the suspension-cords *f* and pro-

vided with an inner row of prepared apertures, *d*, and of a removable inner portion, *b*, of reticulated fabric, connected to the part *a* by a cord, *c*, substantially as and for the purpose herein specified.

2. The combination of a hammock, *A*, having suspension-ropes *ff*, with the detachable distending-blocks *g g*, which are notched at their lower edge to space said ropes *ff*, substantially as specified.

3. The combination of a hammock, *A*, with the yielding head-rest *h*, which is connected to the hammock only at its ends, and is shorter than that part of the hammock over which it extends, so that it will be taut when the hammock is suspended, substantially as specified.

VINCENT P. TRAVERS.

Witnesses:

F. v. BRIESEN,  
T. B. MOSHER.