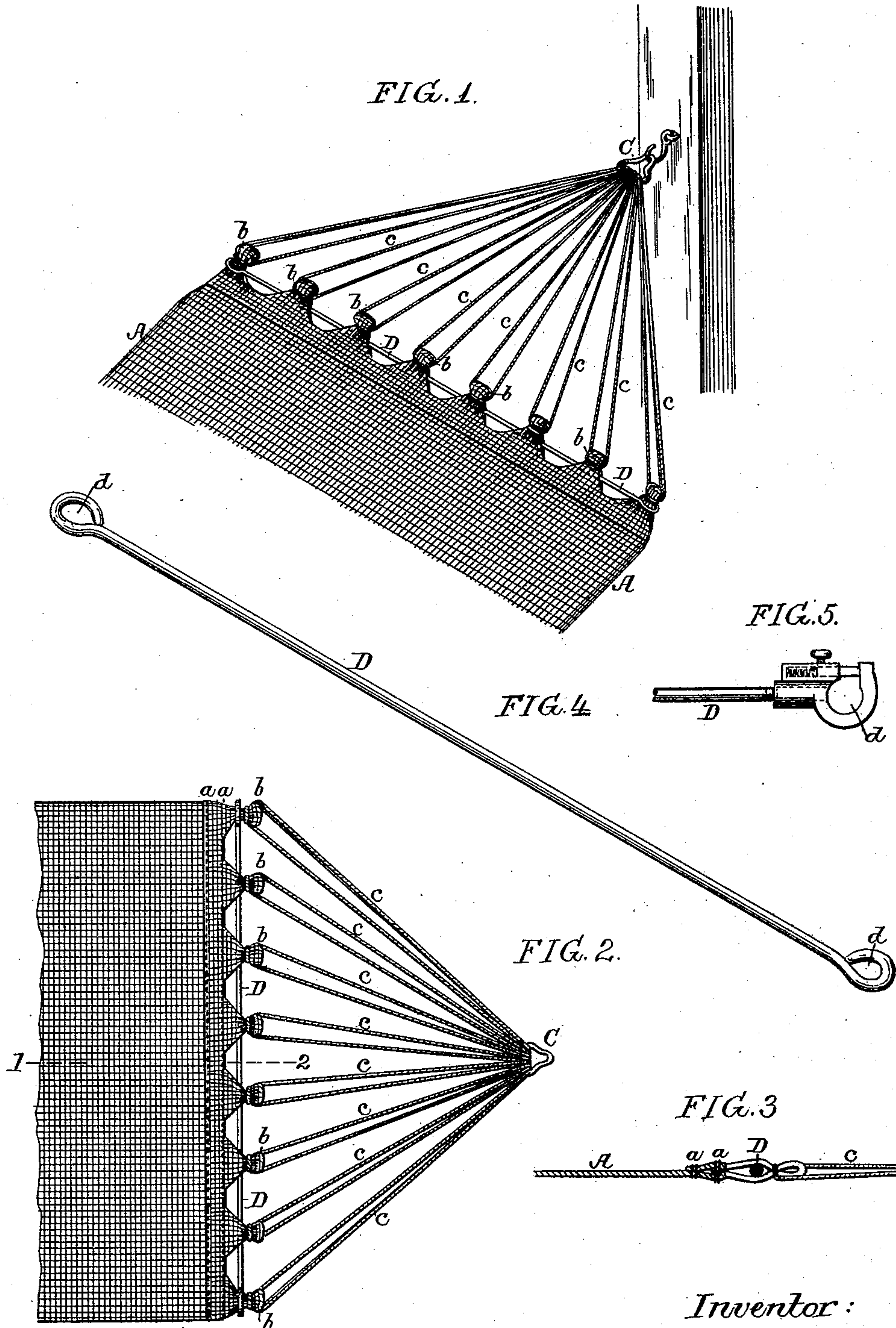


(No Model.)

A. C. KNIGHT.  
HAMMOCK STRETCHER.

No. 483,930.

Patented Oct. 4, 1892.



Witnesses:  
Alex. Barkoff  
R. Schleicher

Inventor:  
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by his Attorneys  
Howson & Howson



# UNITED STATES PATENT OFFICE.

ABRAM C. KNIGHT, OF PHILADELPHIA, PENNSYLVANIA.

## HAMMOCK-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 483,930, dated October 4, 1892.

Application filed June 15, 1892. Serial No. 436,814. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAM C. KNIGHT, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Hammock-Stretchers, of which the following is a specification.

The object of my invention is to provide a simple and effective means whereby a hammock can be stretched in a firm and substantial manner.

Referring to the accompanying drawings, Figure 1 is a perspective view of sufficient of a hammock to illustrate my invention. Fig. 2 is a plan view of one end of the hammock. Fig. 3 is a section on the line 1 2, Fig. 2. Fig. 4 is a perspective view of the stretcher detached, and Fig. 5 is a view of one end of a modified stretcher.

A is the hammock-body, finished at each end, as shown in the drawings, the end being lapped over and sewed on the lines *a*. A series of projections *b* is then formed by making incisions in the ends and bunching the portions of the hammock between the incisions.

To each of the bunched projections *b* is secured the cord *c*. The cord in the present instance is one continuous cord extending from side to side of the hammock and suitably tied to a ring C. Prior to the tying of the cord upon the projections *b* I insert between the two layers of fabric forming each projection *b* a rod D, (clearly shown in Fig. 4,) having at each end an eye *d*, and I pass the end projections through the eyes *d* in the ends of the rod. The hammock is then tied, as shown in Fig. 1, beyond the rod. Thus the rod is held rigidly in position as regards any lateral movement. The longitudinal movement of the rod is prevented by the end projections *b*, which pass through the eyes in the rod.

One great objection to the ordinary hammock-stretcher is that it is either provided with a series of projections or is comparatively sharp at the end. By making the eyes in the stretcher, as shown in Fig. 4, a suitable finish is given to the rod, and as the body of the bar is smooth it will not be open to the

objections above noted. The rod can be finished by being plated, thus giving a neat appearance to the hammock. The rod in some instances may be attached to the hammock after the cord has been secured by passing it through the several projections *b*, opening the eyes *d*, and closing them again around the end projections. In some instances the rod may be provided with a snap-hook at each end, forming eyes, as shown in Fig. 5, so that the stretcher can be attached to a hammock after it is finished, and the stretcher may be sold separately.

I claim as my invention—

1. The combination, in a hammock, of the body, end projections on said body consisting of portions of the fabric of which the hammock is composed and to which the cord *c* is tied, with a stretcher-rod passing through some of these projections, thus preventing lateral movement of the rod, said rod having eyes at its ends, each eye encircling one of the end projections of the body portion, thus preventing longitudinal movement of the rod, substantially as specified.

2. The combination, in a hammock, of the body portion having a series of bunched projections at one end and a cord tied to said bunched projections, with a stretcher-rod passing through each bunched projection and secured to the end projection, substantially as described.

3. The combination, in a hammock having a lapped end fastened to the body and split at intervals, forming bunched projections of double fabric, of a suspending-cord secured to the projection with a stretcher-bar having at each end an eye, said stretcher-bar passing through the central projections and the end projections passing through the eyes in the bar, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ABRAM C. KNIGHT.

Witnesses:

H. F. REARDON,  
HENRY HOWSON.