

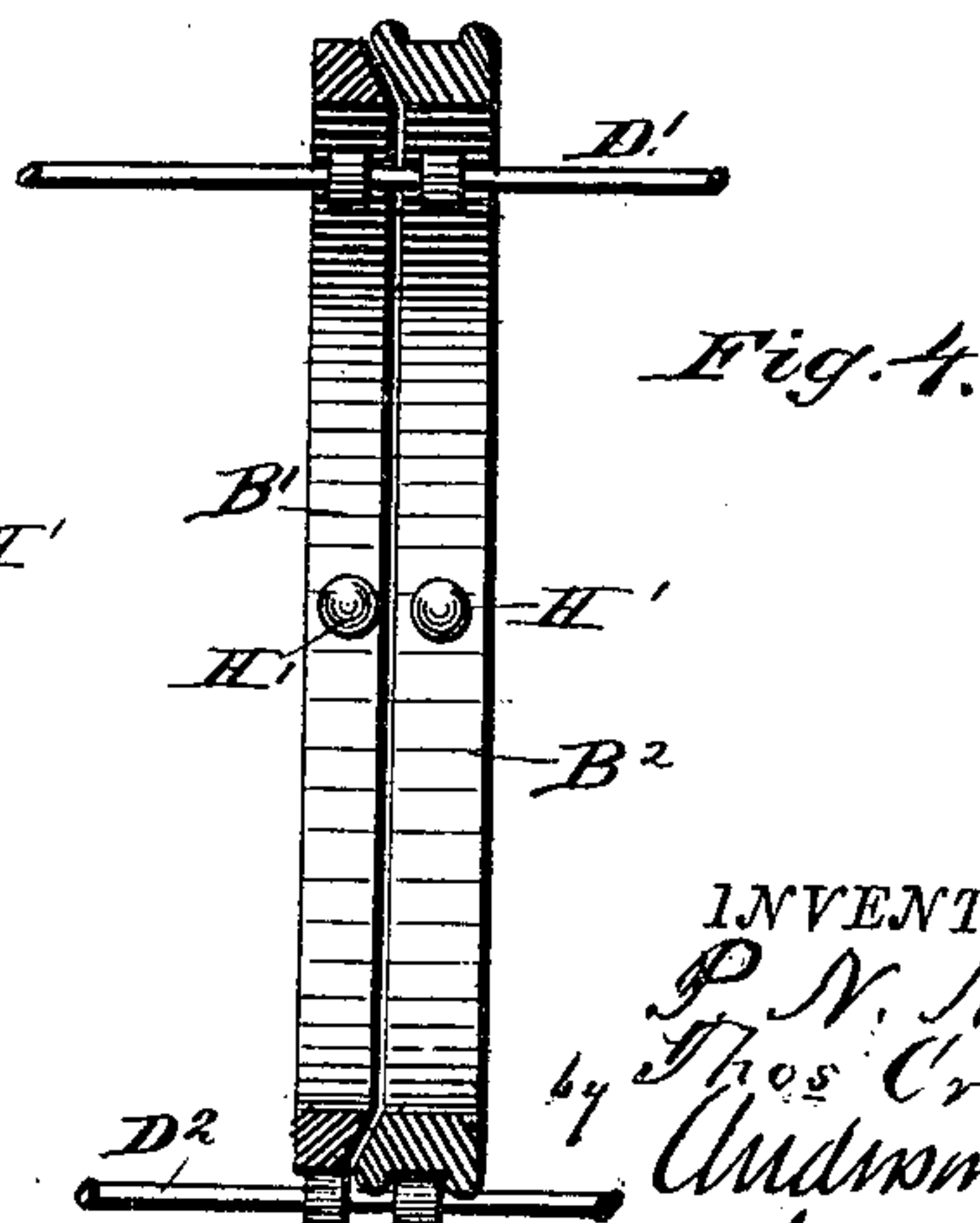
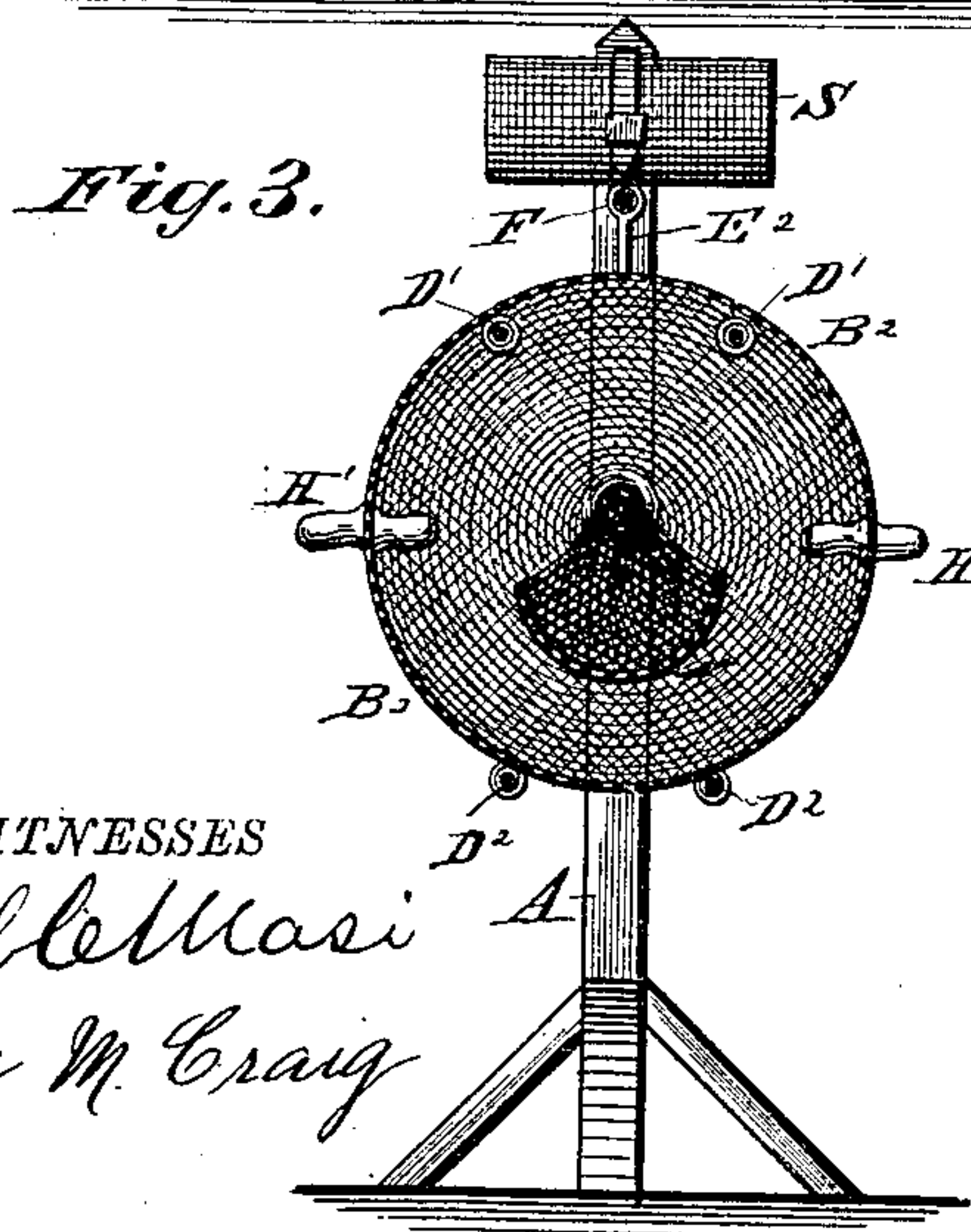
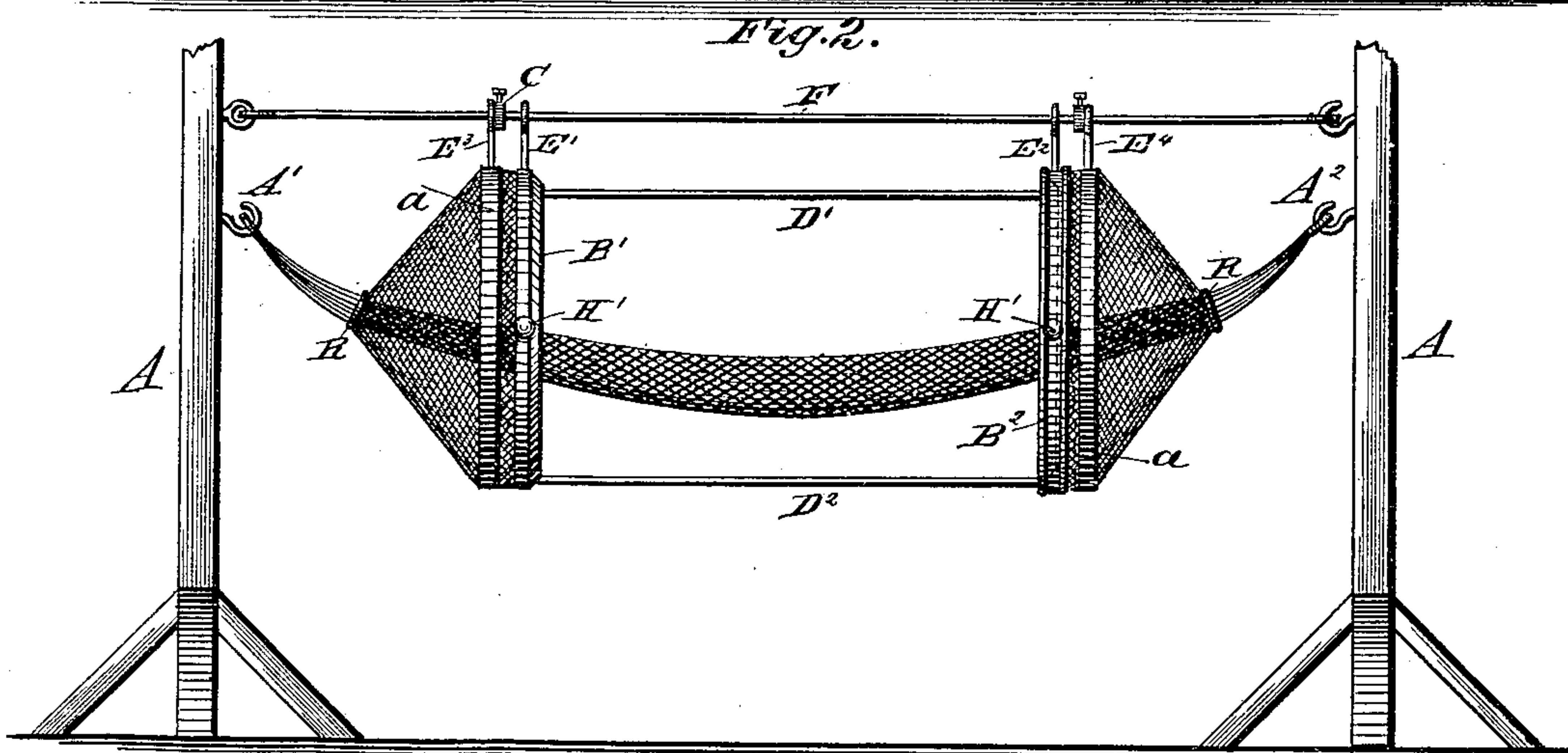
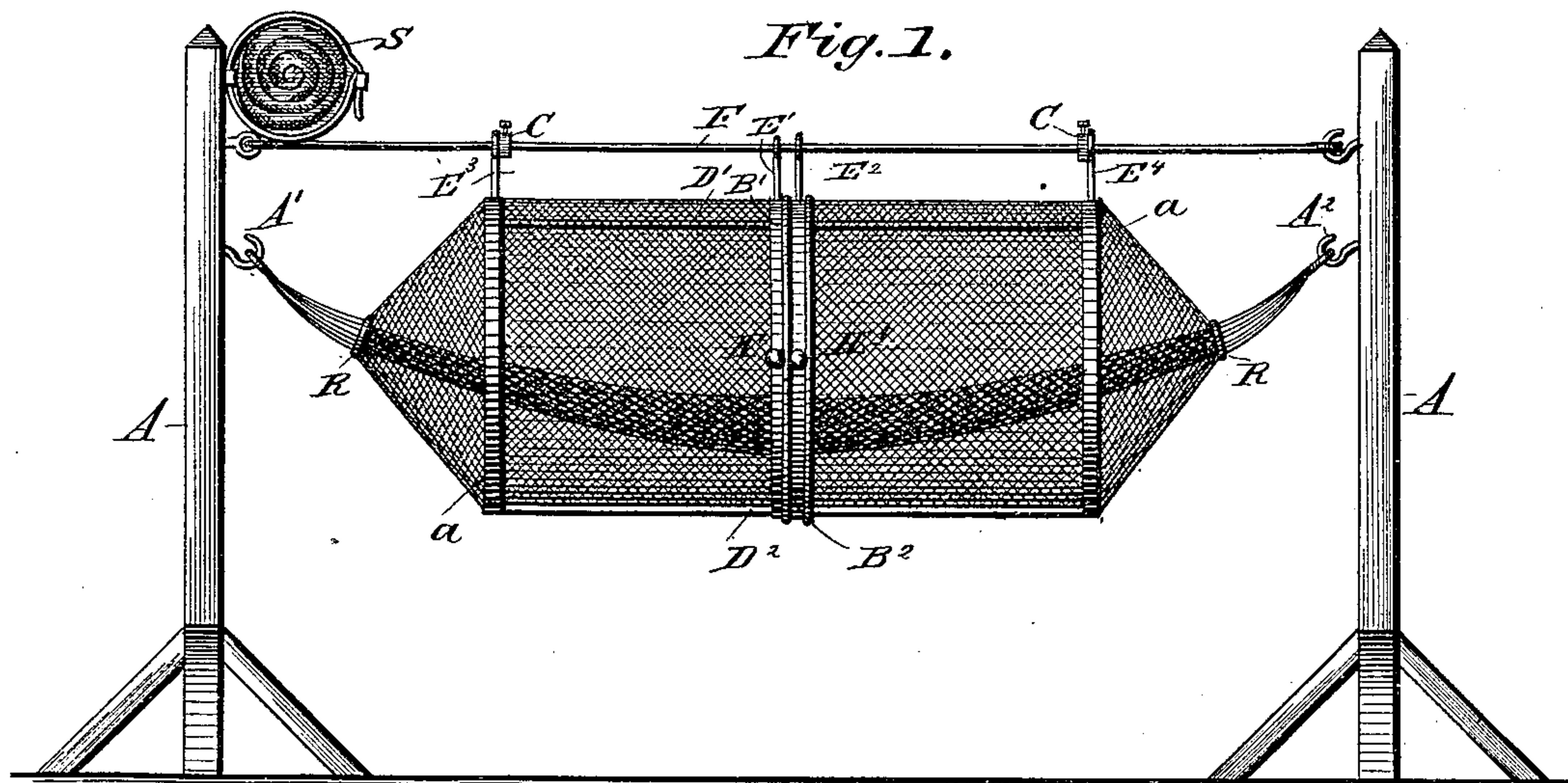
(No Model.)

P. N. NELMES & T. CRAWSHAW.

HAMMOCK.

No. 329,763.

Patented Nov. 3, 1885.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

PHILIP N. NELMES AND THOMAS CRAWSHAW, OF TAUNTON, MASS.

## HAMMOCK.

SPECIFICATION forming part of Letters Patent No. 329,763, dated November 3, 1885.

Application filed April 9, 1885. Serial No. 161,766. (No model.)

*To all whom it may concern:*

Be it known that we, PHILIP N. NELMES and THOMAS CRAWSHAW, subjects of the Queen of Great Britain, residing at Taunton, in the  
5 county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Hammocks; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others  
10 skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

15 Our invention relates to screens for hammocks, designed to protect the occupant of the hammock from flies, mosquitoes, and other insects; and it consists in the novel construction and combination of parts as will be  
20 hereinafter fully described, and particularly pointed out in the claims.

In the drawings, Figure 1 is a view representing the improved screen closed over a suspended hammock. Fig. 2 is an elevation  
25 showing the screen open to admit of access to the hammock. Fig. 3 is a sectional end view, and Fig. 4 is a sectional detail of the intermediate hoops for distending the screen.

Referring by letter to the accompanying  
30 drawings, A A designate the posts, provided with hooks A' A', from which the hammock is suspended.

a a are the two end hoops which are suspended from the horizontal wire or rope F by  
35 the eyebolts E<sup>3</sup> E<sup>4</sup>, and are held in position by collars C, which are secured to the rope F by small set-screws.

D' and D<sup>2</sup> represent four three-sixteenths-inch wires attached to the end hoops, a, for the  
40 purpose of guiding the middle hoops, B' B<sup>2</sup>, in opening and closing the screen.

E' and E<sup>2</sup> are eyebolts by which the hoops B' and B<sup>2</sup> are suspended from the wire or rope F.

45 H' indicates handles on the inside and outside of the middle hoops, B' and B<sup>2</sup>, by which to open and close the screen.

R are rubber rings inserted in the end covering of the screen to permit the ends of the  
50 hammock to pass through and at the same

time to grip firmly around them when in place to exclude flies, mosquitoes, and the like.

S designates a water-proof covering, which can be readily unstrapped and spread over  
55 the screen and hammock to protect them from the weather when not in use.

The netting is secured to the hoops by carpet-tacks or in any other suitable manner.

We are aware that it is not new to provide a  
60 cradle having its body formed of wire and having a wire top, so as to completely surround the occupant, and that cradles have been provided with a screen or wire top which is pivoted at its opposite ends to the head and  
65 foot portions of a cradle-frame, so as to turn up over the cradle or beneath the same, and therefore do not claim such devices broadly, but,

Having thus fully described our invention,  
70 what we claim, and desire to secure by Letters Patent, is—

1. The combination, with a hammock, of a sectional mosquito-bar entirely surrounding the same, substantially as specified.

2. The combination, with a hammock, of a mosquito-bar entirely surrounding the same and composed of two sliding sections, substantially as specified.

3. The combination, with the rope F, having collars C secured thereto, of the screen-covered hoops a a B' B<sup>2</sup>, eyebolts E' E<sup>2</sup> E<sup>3</sup> E<sup>4</sup>, the rubber rings R R, and the hammock, substantially as specified.

4. The combination, with the rope F, having collars C secured thereto, of the screen-sections provided with the wires D' D<sup>2</sup>, the hoops a a B' B<sup>2</sup>, the eyebolts E' E<sup>2</sup> E<sup>3</sup> E<sup>4</sup>, handles H', and rings R R, substantially as specified.

5. The combination, with a hammock, of a sectional sliding enveloping-screen, as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

PHILIP N. NELMES.  
THOMAS CRAWSHAW.

Witnesses:

E. D. GODFREY,  
L. C. COUCH.