

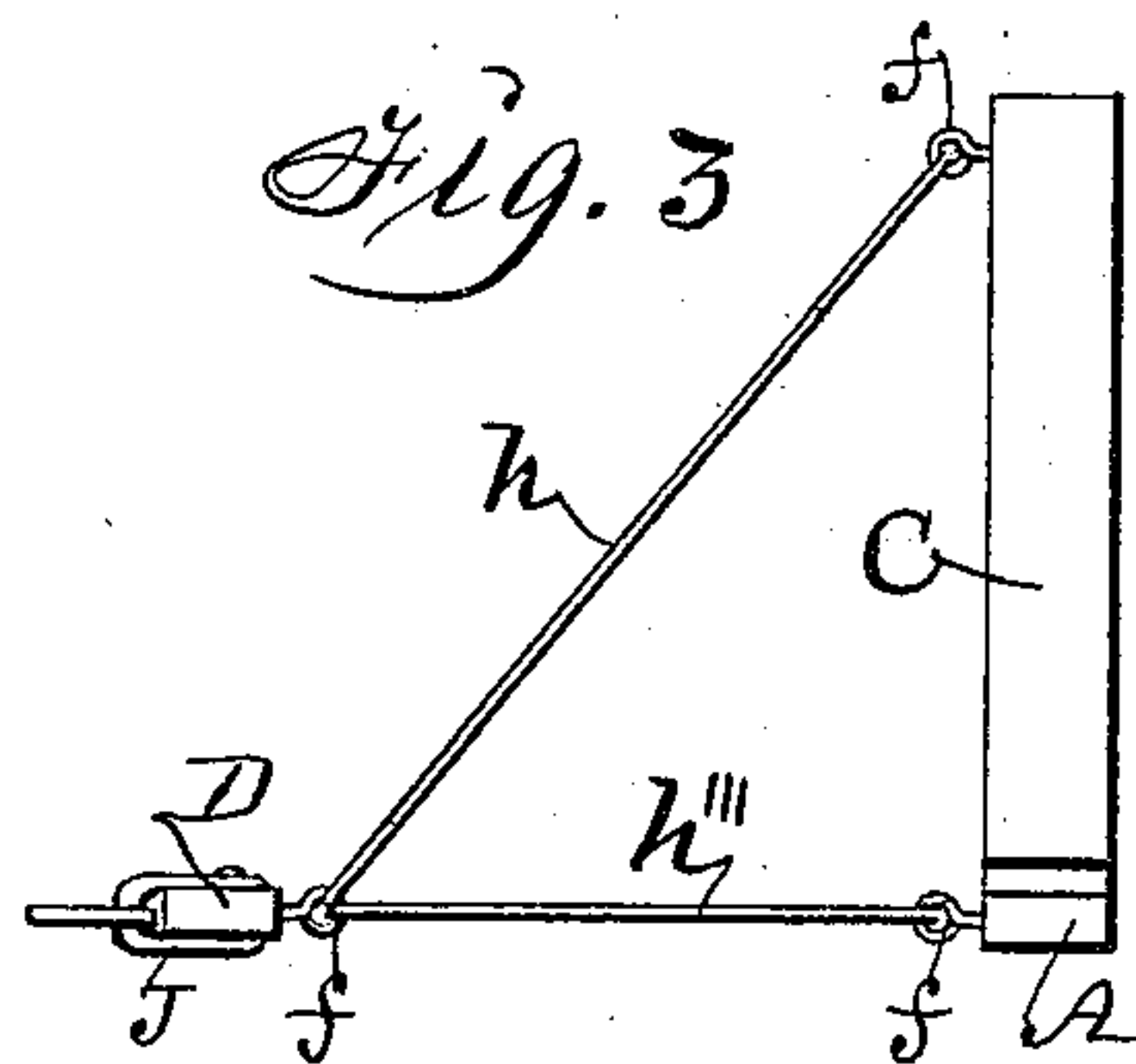
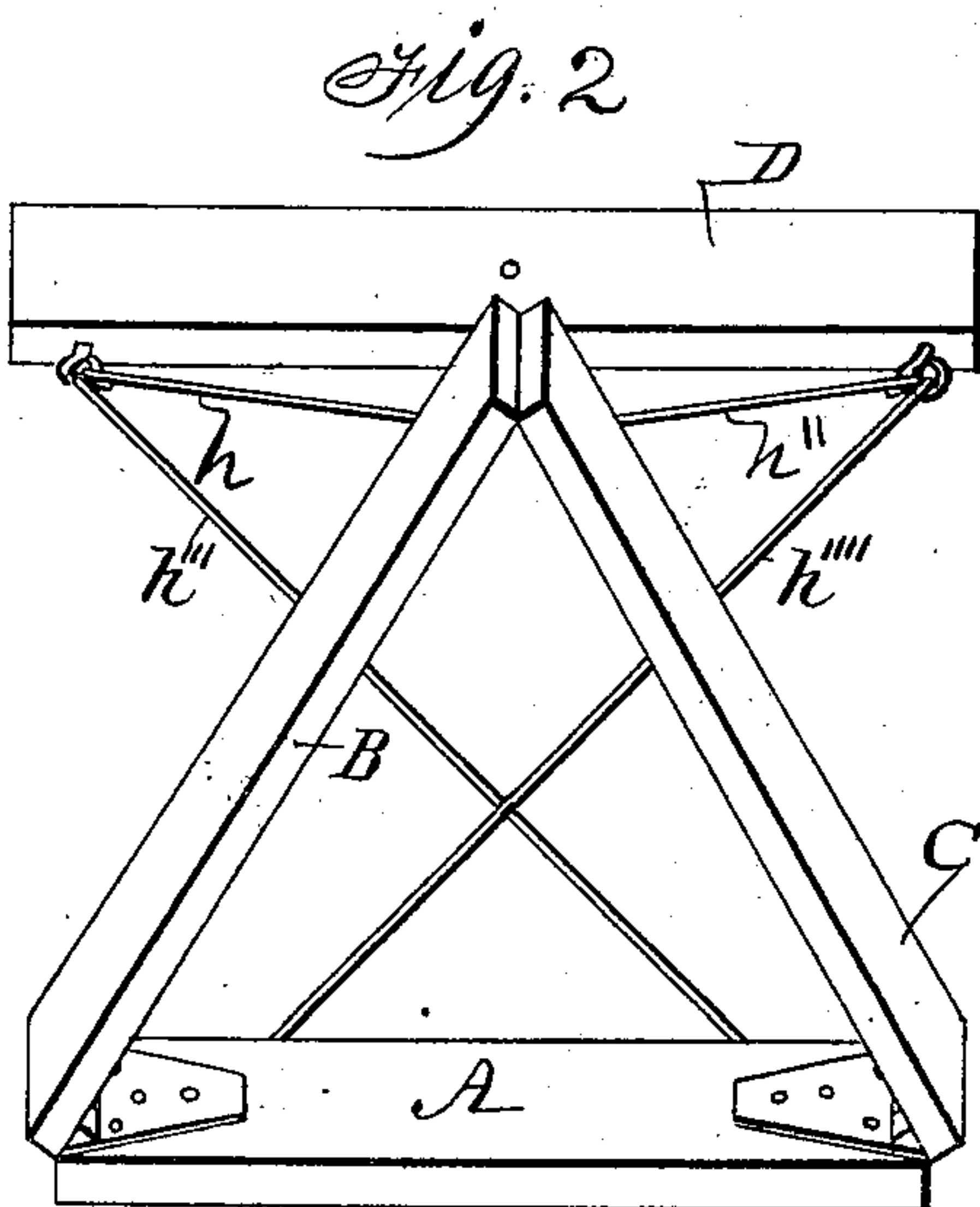
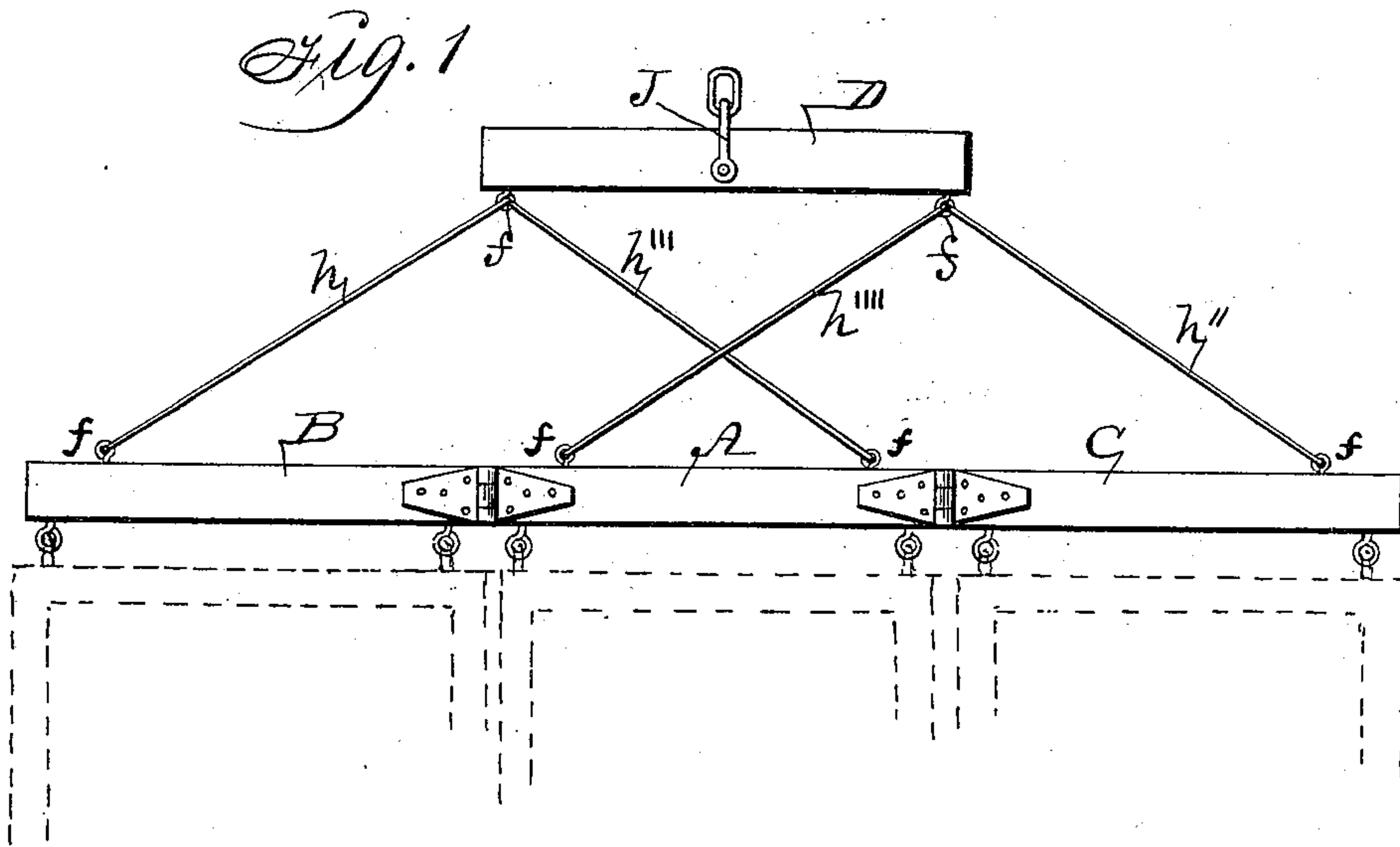
No. 644,218.

Patented Feb. 27, 1900.

R. D. TAYLOR.
FOLDING DRAW BAR FOR HARROWS.

(Application filed May 29, 1899.)

(No Model.)



Witnesses:
Hans B. Hill.
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UNITED STATES PATENT OFFICE.

ROBERT DELMONT TAYLOR, OF STRAND, IOWA.

FOLDING DRAW-BAR FOR HARROWS.

SPECIFICATION forming part of Letters Patent No. 644,218, dated February 27, 1900.

Application filed May 29, 1899. Serial No. 718,658. (No model.)

To all whom it may concern:

Be it known that I, ROBERT DELMONT TAYLOR, a citizen of the United States of America, residing at Strand, in the county of Adams and State of Iowa, have invented a Folding Draw-Bar for Harrows, of which the following is a specification.

My object is to provide a draw-bar for triple harrows that are dragged in parallel lines and to so connect them that the outside ones can be folded inward to be carried inoperative upon the middle one, as required to pass through narrow gateways or between trees or by other obstructions, without separating them from the draw-bar or from each other.

My invention consists in the jointed and folding draw-bar hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a top view of my invention in an extended position, as required for connecting three harrows therewith and also connecting a doubletree to its front for hitching horses thereto. Fig. 2 is a perspective view showing the draw-bar folded, and Fig. 3 is an edge view of Fig. 2.

The letters A, B, and C designate straight bars of equal length (preferably hard wood) hinged together in such a manner that the outer ones can be folded inward over the middle one, as shown in Fig. 2. A straight bar D, corresponding in length with the three other bars, is connected with them by means of eyebolts *f* and four rods or chains, as shown in Fig. 2, in such a manner as to allow the two outer bars B and C to be adjusted and placed in position, as shown in Fig. 2.

The rods *h* and *h'* are connected with the

eyebolts *f* in the outer end portions of the bars B and C and the eyebolts *f* in the end portions of the bar D, and the rods *h''* and *h'''* are connected with the eyebolts *f* in the end portions of the bar A and the eyebolts *f* in the end portions of the bar D.

J is a clevis pivoted to the center of the bar D for connecting a doubletree therewith.

Dotted lines in Fig. 1 indicate how three harrows or three sections of a triple harrow are to be connected with my folding draw-bar.

Having thus described the construction and object of my invention, its practical operation and utility will be readily understood by persons familiar with the art to which it pertains, and

What I therefore claim, and desire to secure by Letters Patent therefor, is—

1. A folding draw-bar for harrows comprising three straight bars hinged together to extend in a straight line and a fourth straight bar, corresponding in length with the other bars, flexibly connected with the three distinct hinged bars by means of four rods in the manner set forth for the purposes stated.

2. A jointed draw-bar for harrows comprising three straight bars A, B and C hinged together and a corresponding bar D flexibly connected with said three bars by four rods *h*, *h''*, *h'''* and *h''''* and eyebolts *f* fixed to the bars and arranged and combined as shown and described to operate in the manner set forth for the purposes stated.

ROBERT DELMONT TAYLOR.

Witnesses:

HANS B. HILL,
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