

(No Model.)

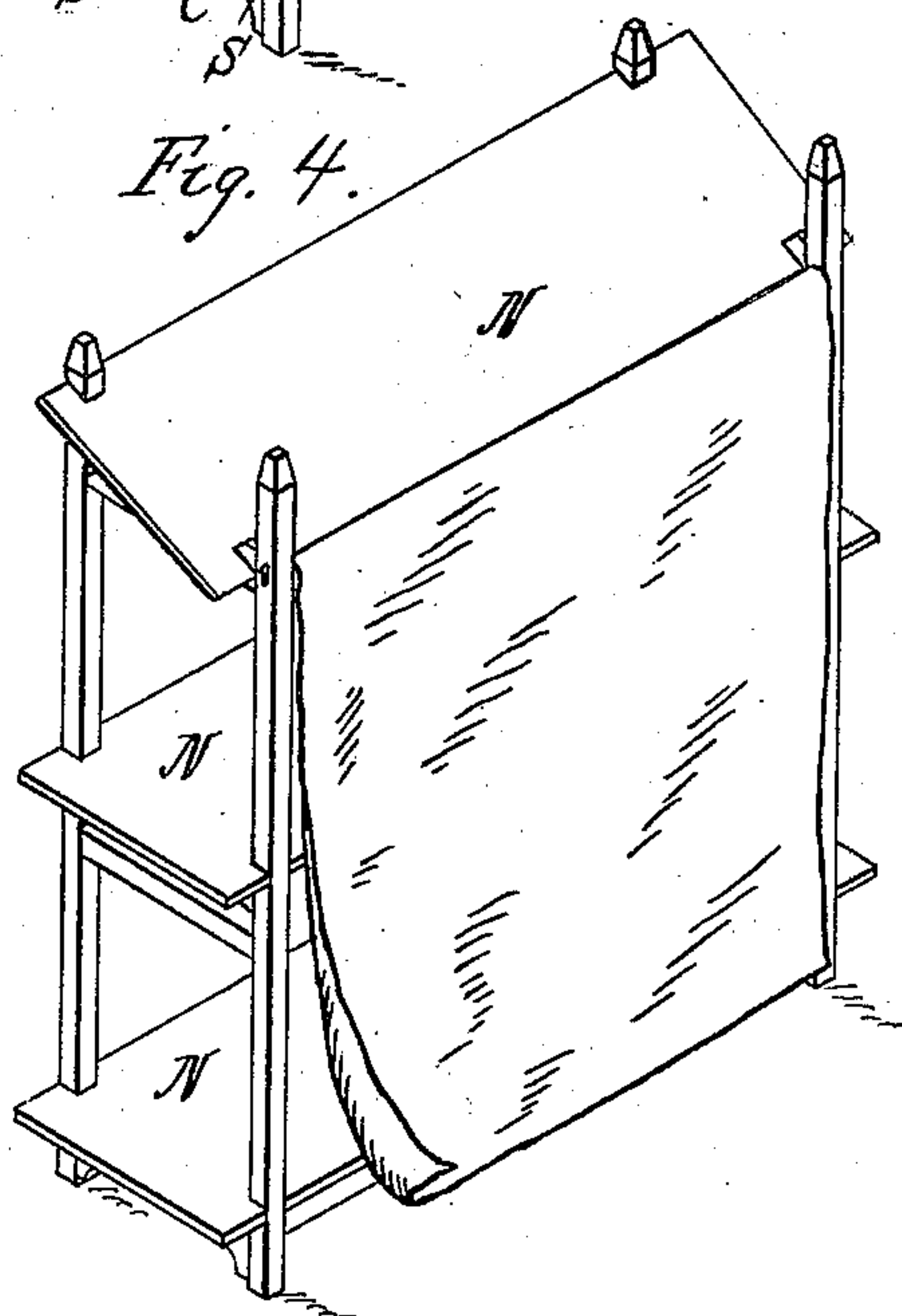
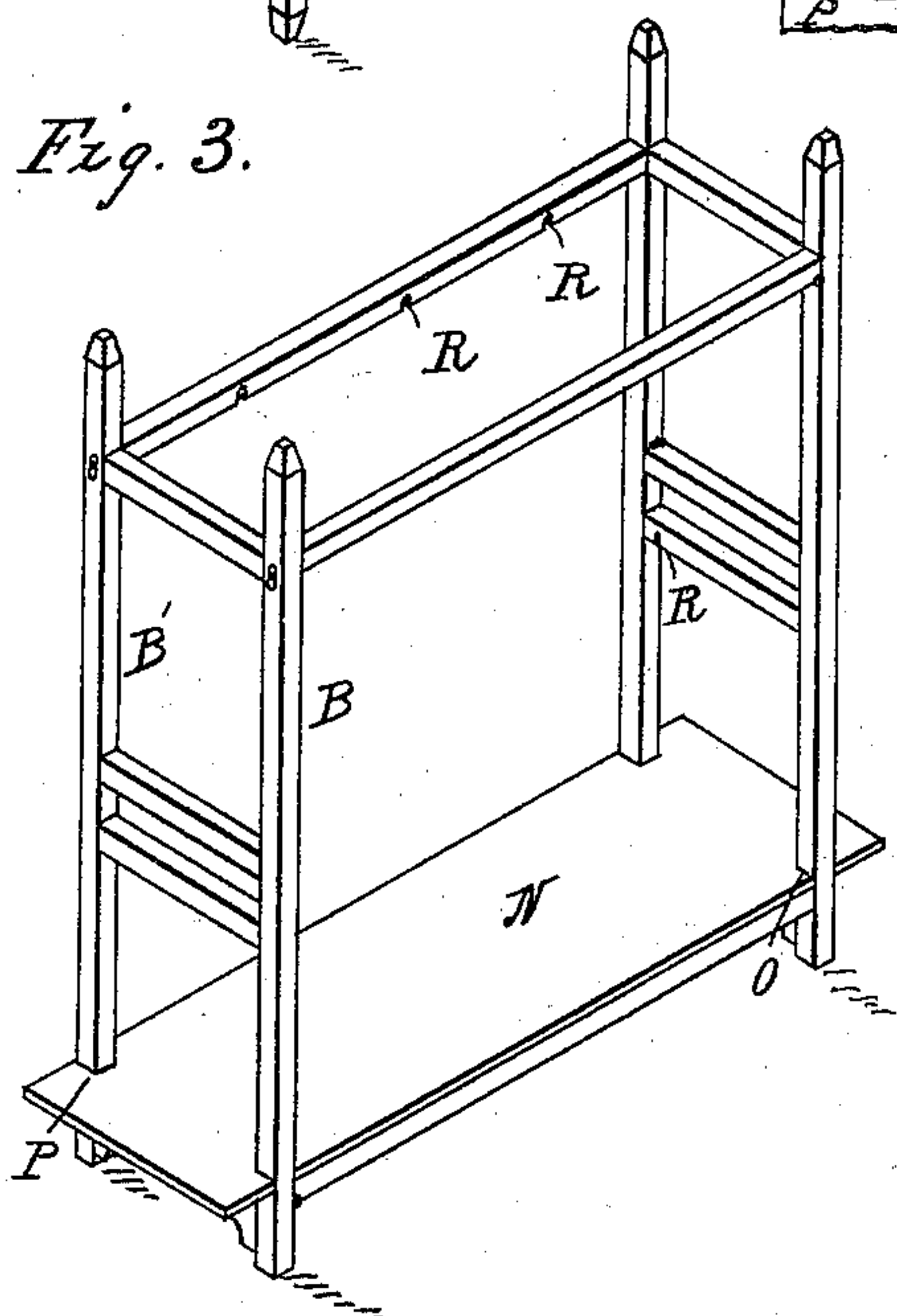
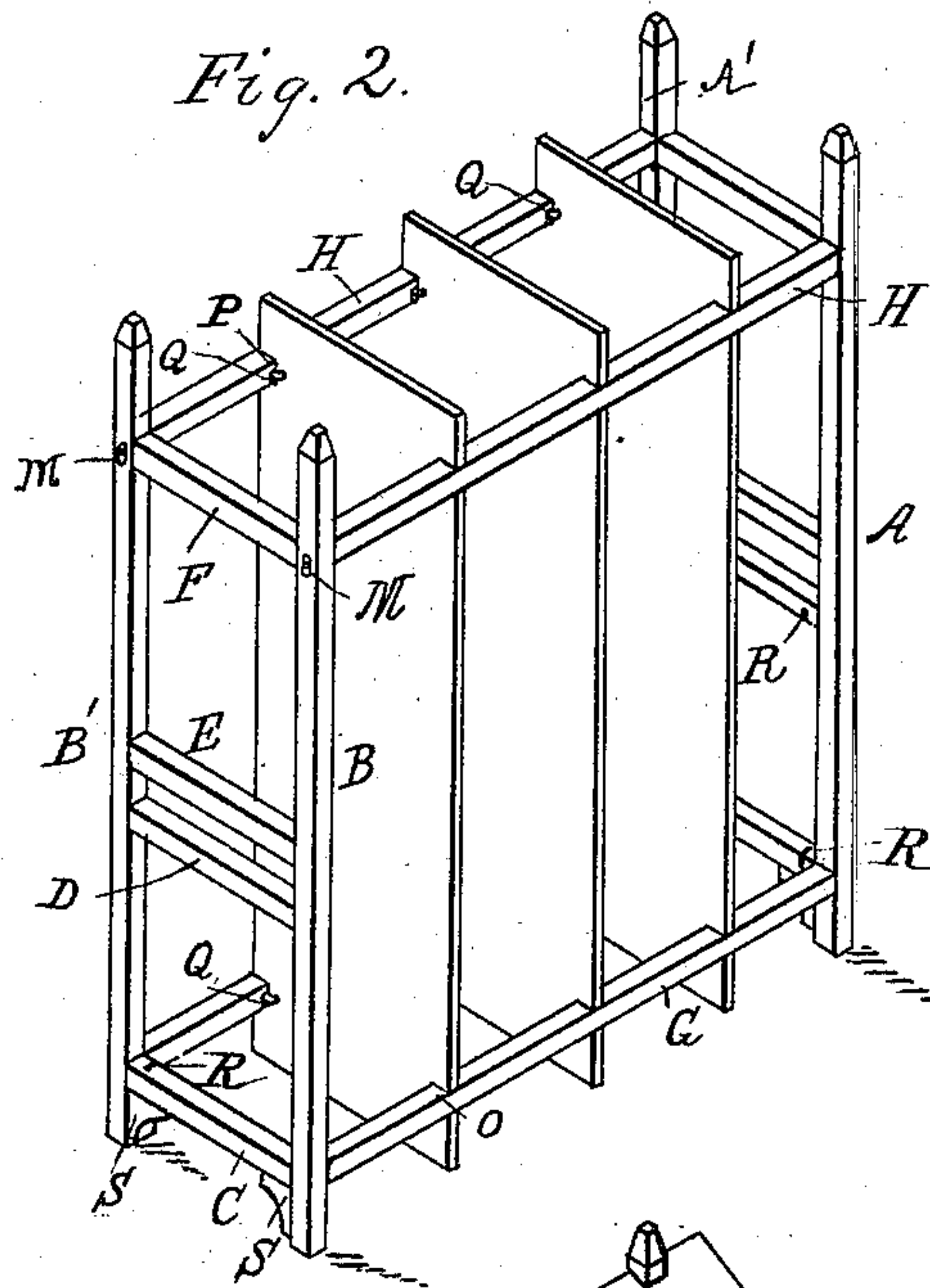
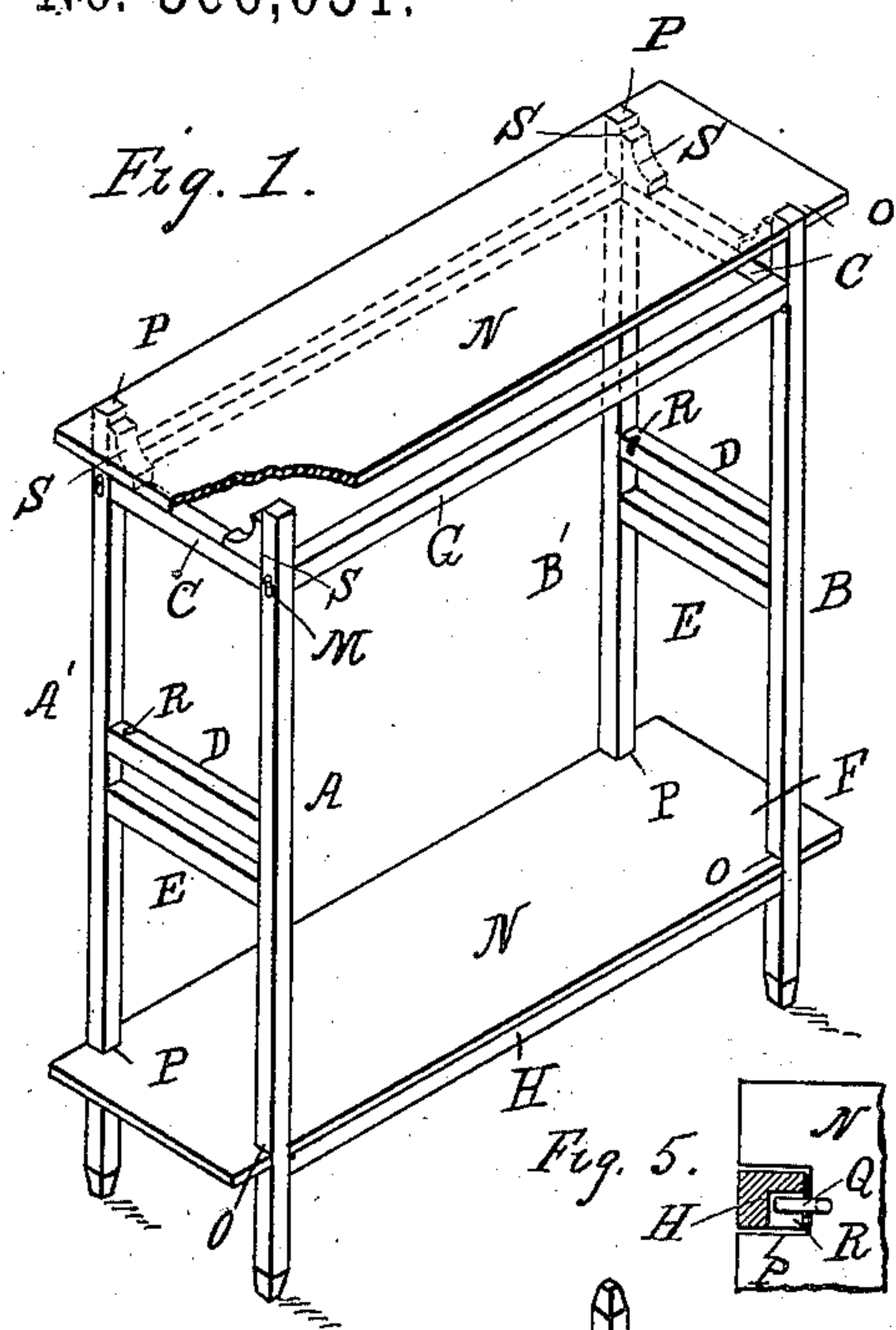
2 Sheets—Sheet 1.

F. S. WEATHERLEY.

CONVERTIBLE STAND.

No. 366,051.

Patented July 5, 1887.



WITNESSES:

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INVENTOR:

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(No Model.)

F. S. WEATHERLEY.

2 Sheets—Sheet 2.

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Fig. 6.

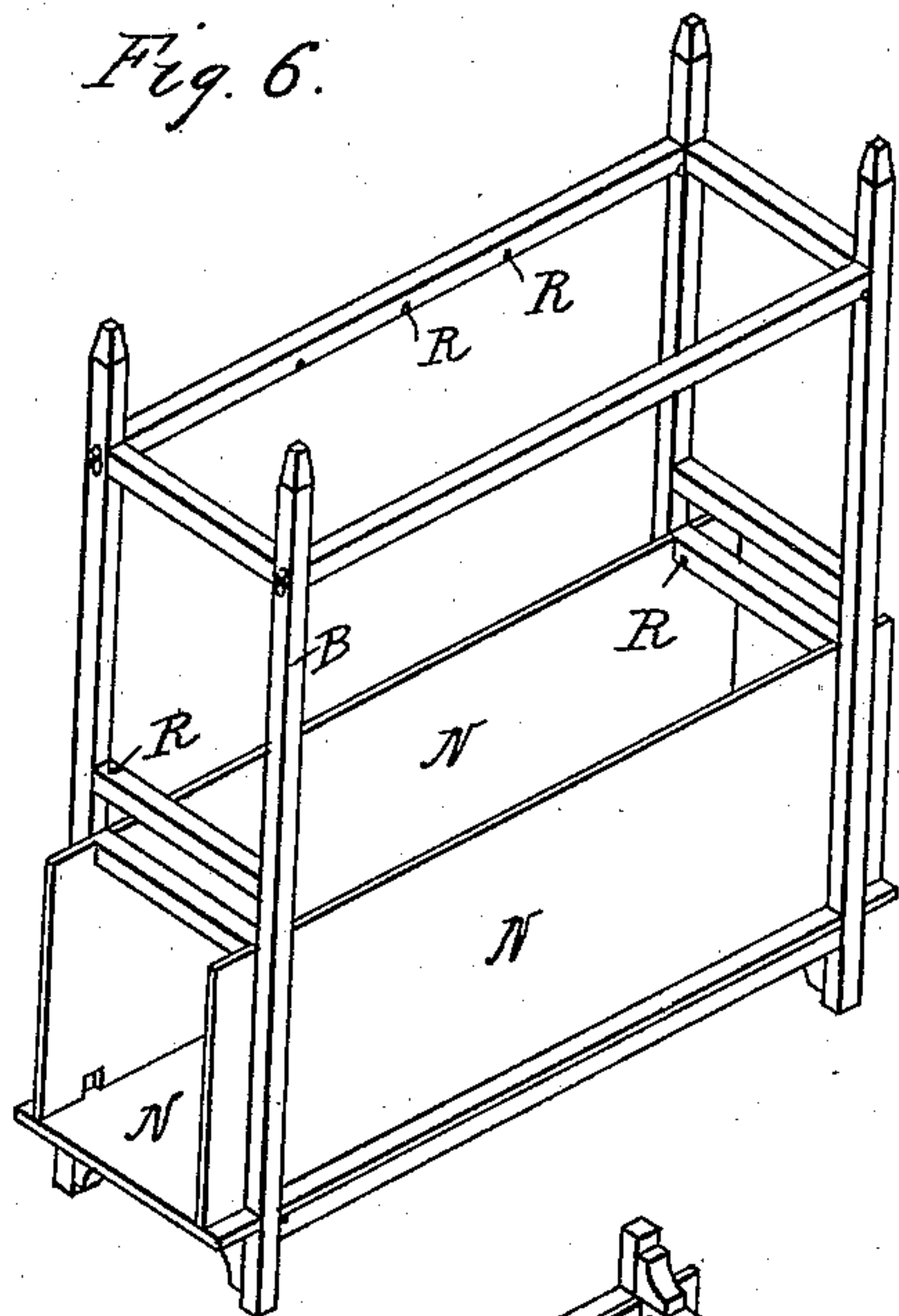


Fig. 7.

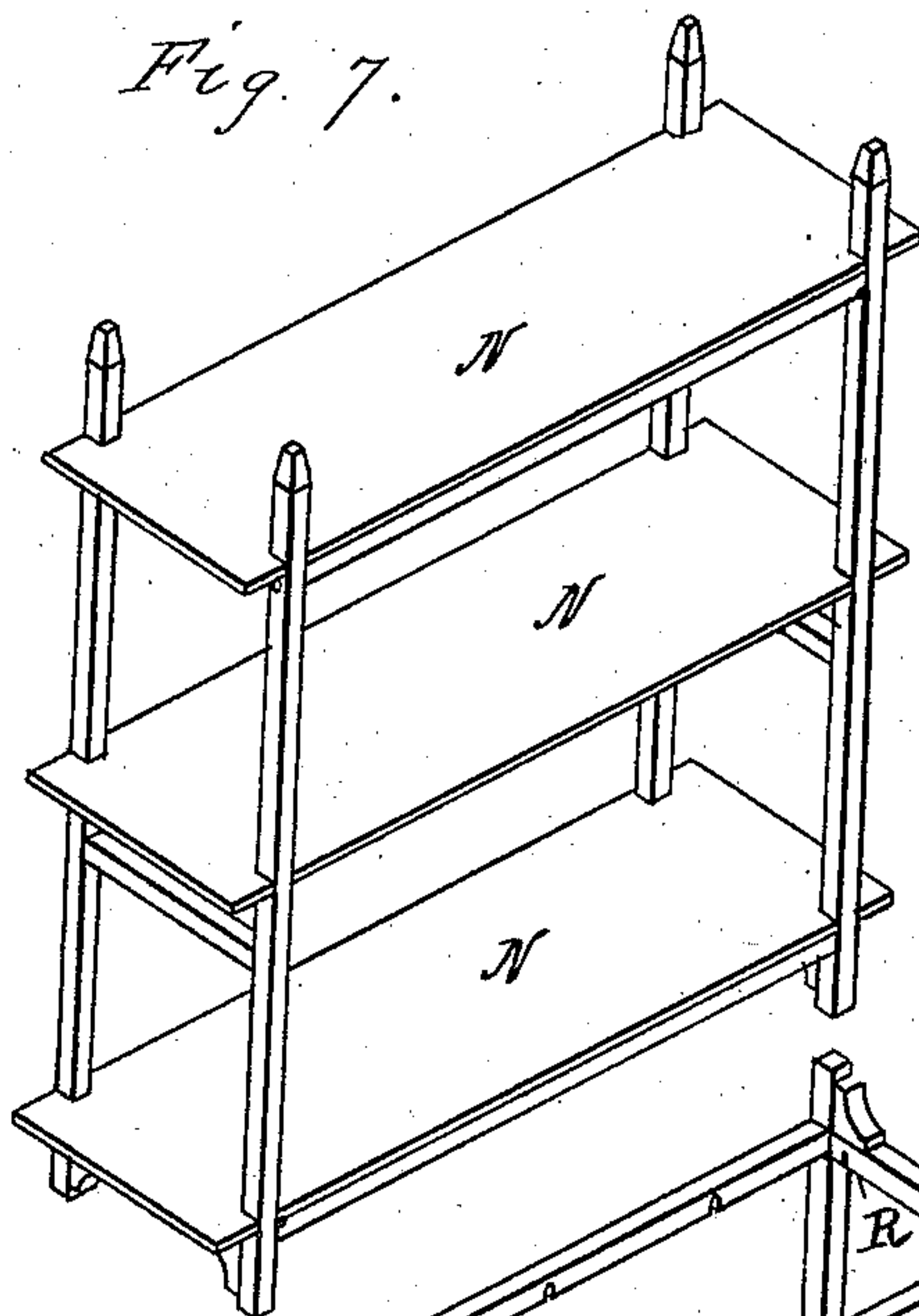


Fig. 8.

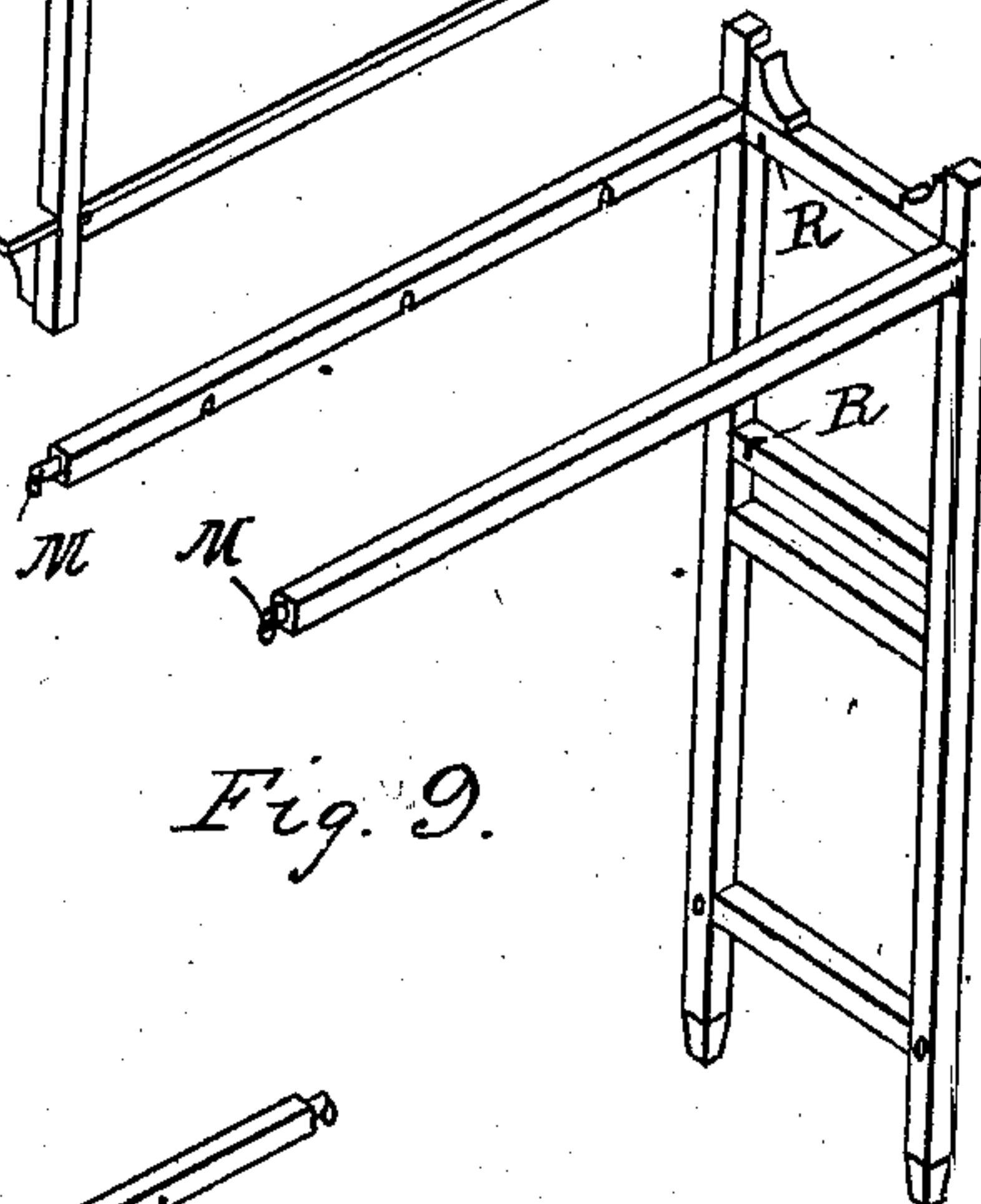
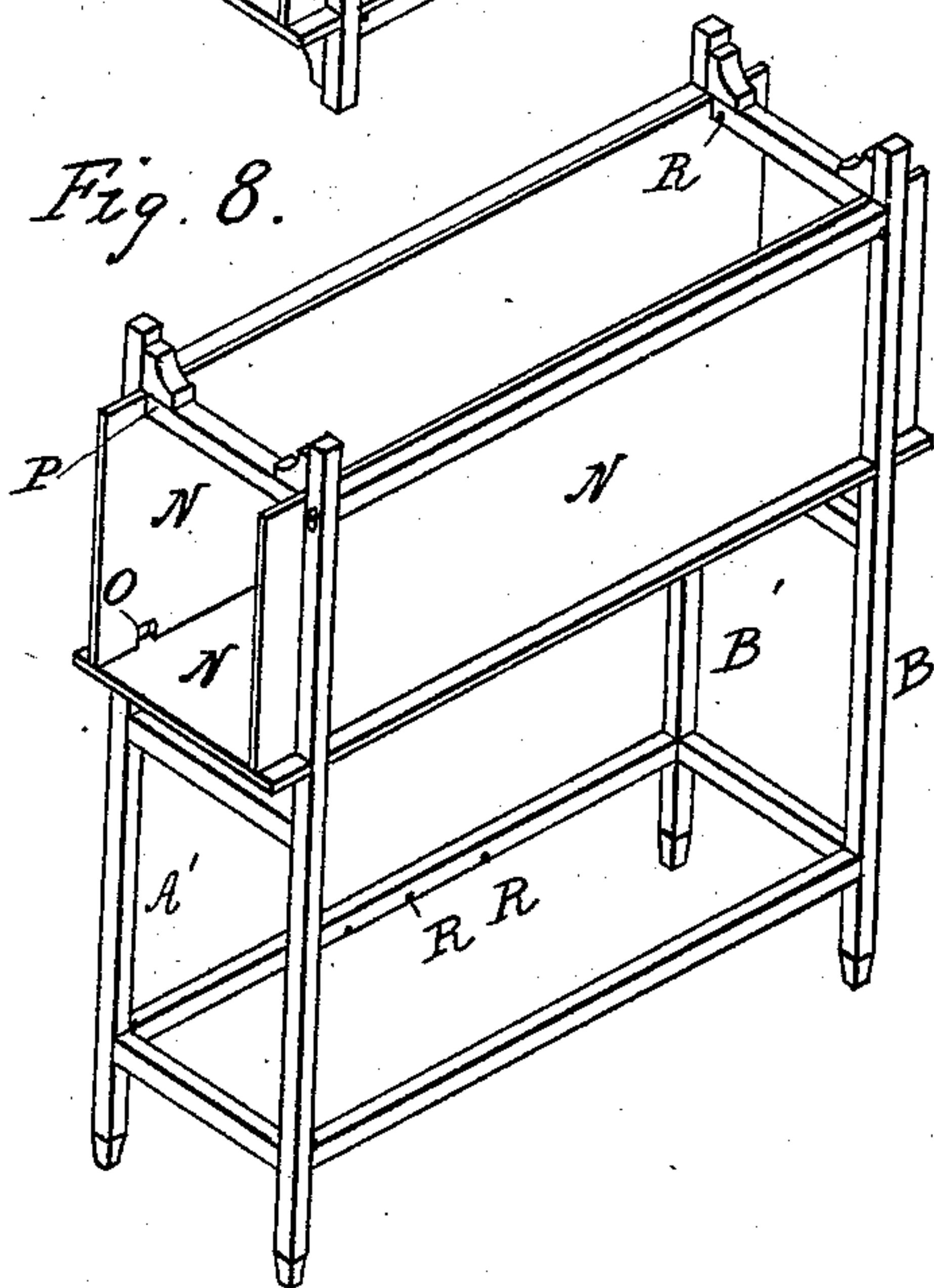


Fig. 9.

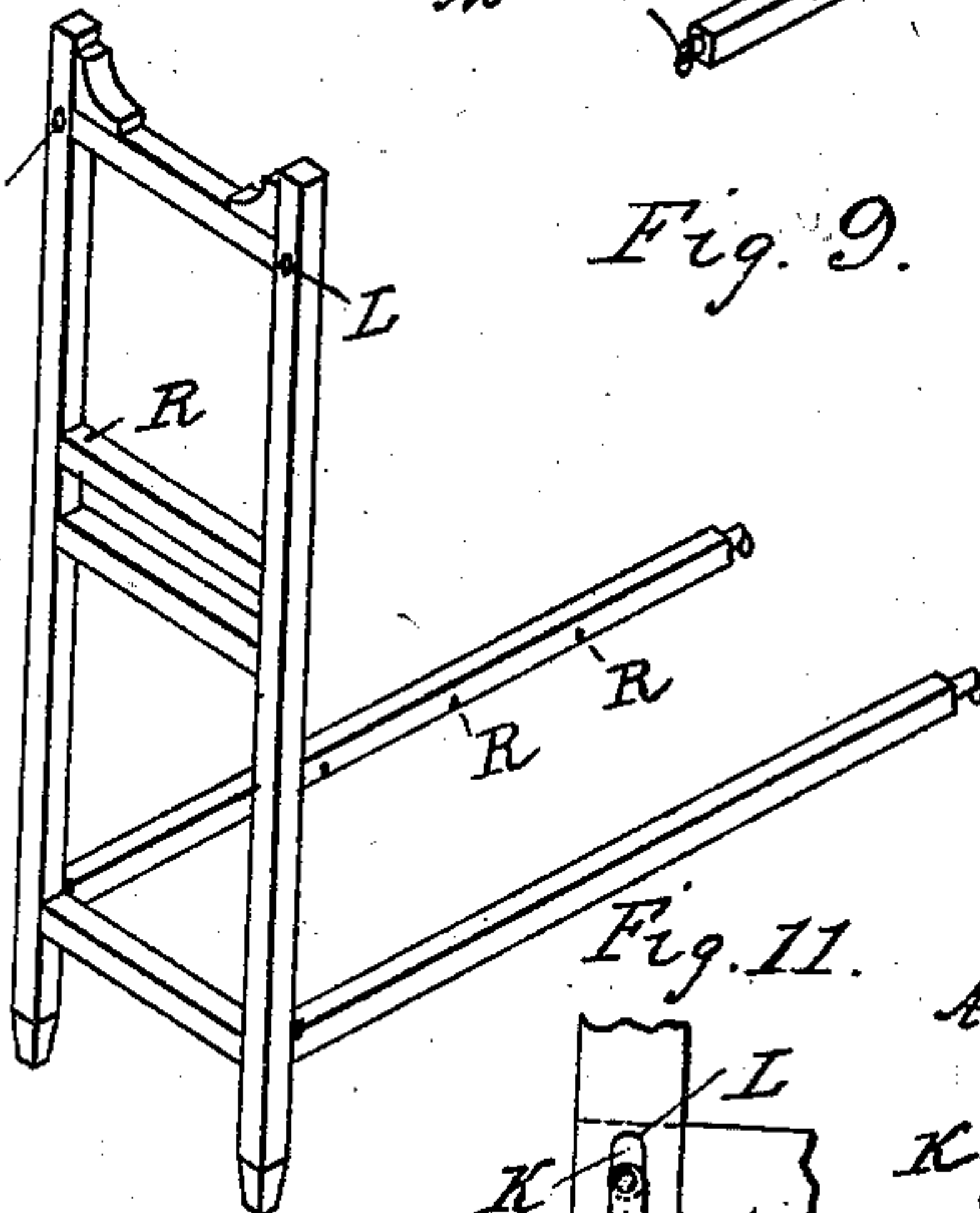


Fig. 10.

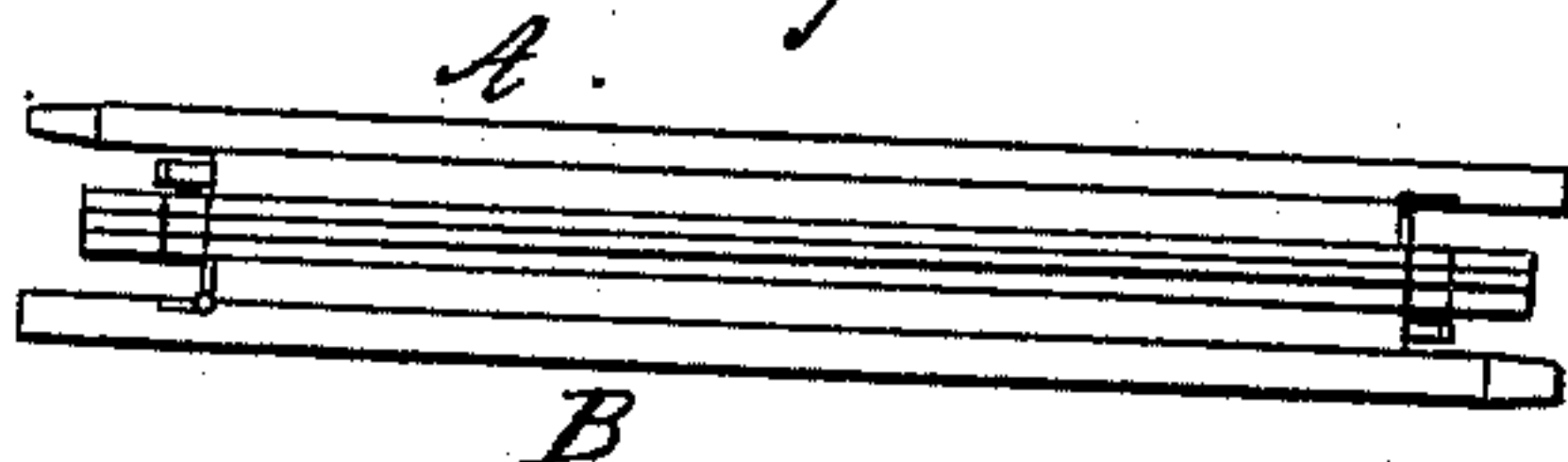


Fig. 11.

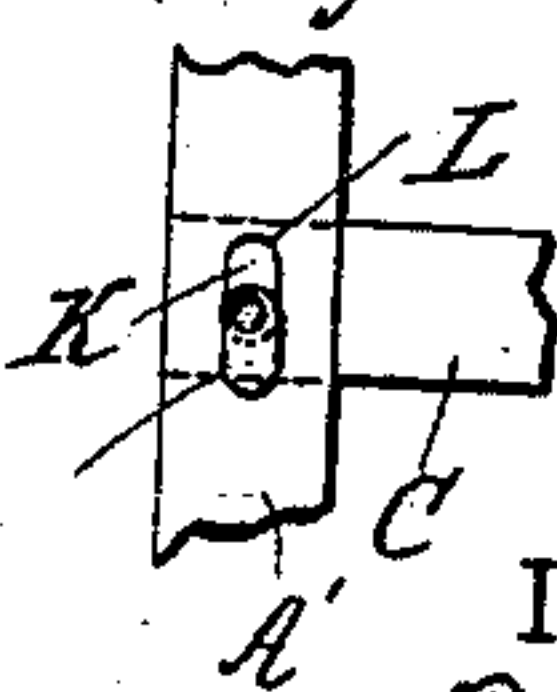
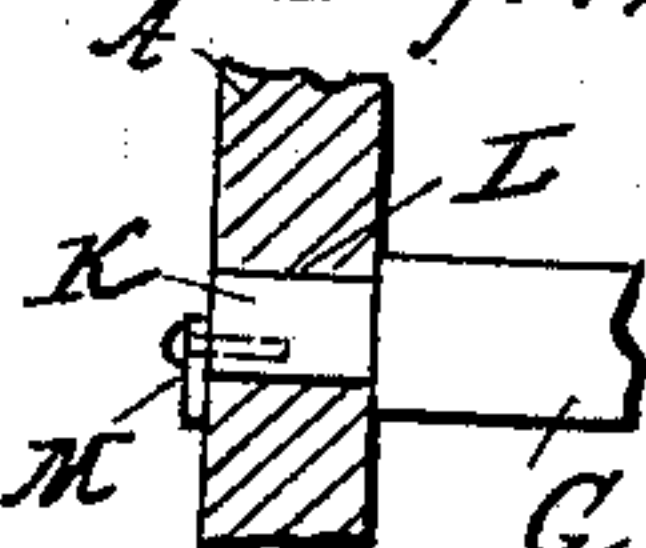


Fig. 12.



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UNITED STATES PATENT OFFICE.

FREDERIC STUART WEATHERLEY, OF QUEBEC, QUEBEC, CANADA.

CONVERTIBLE STAND.

SPECIFICATION forming part of Letters Patent No. 366,051, dated July 5, 1887.

Application filed May 3, 1887. Serial No. 236,950. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC STUART WEATHERLEY, of Quebec, in the Province of Quebec and Dominion of Canada, have invented a new and Improved Convertible Stand, of which the following is a full, clear, and exact description.

My invention relates to the construction of a device which, while of simple and cheap design, can be quickly adjusted to form various conveniences of household use, will possess ample strength and firmness in any one of its adjustments, and can be readily taken apart and folded up into compact form for storage or removal.

The invention consists in the construction, combination, and arrangement of parts and details, as hereinafter fully described, and particularly pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figures 1, 2, 3, 4, 6, 7, and 8 are perspective views, hereinafter fully described, illustrating various adjustments of which the device is susceptible. Fig. 5 is detail sectional view showing the form of catch employed for holding the boards in place on the frame of the device. Fig. 9 is a perspective view illustrating the mode of taking the device apart. Fig. 10 illustrates in side view the device when folded, and Figs. 11 and 12 are detail views illustrating the form of catch used in securing the parts of the frame together.

The frame of the stand is supported by two end pairs of vertical corner-posts, A A' and B B', all of which are of equal length and exactly parallel with each other. The posts A A' and B B' of each pair are permanently connected and rigidly braced by four parallel cross-bars, C, D, E, and F, the outer bars, C and F, being arranged a short distance from the respective ends of the corner-posts and the medial bars, D E, being arranged at an equal distance from the bars C and F, respectively. The posts A B and A' B' are respectively connected and braced by longitudinal side bars, G and H, in the plane of the end bars C and F, respectively, the bars G being hinged to the inner sides of the posts B B', the bars H

similarly hinged to the posts A A', and the free end of each of said bars G and H being formed with a tenon, K, which is received detachably in a corresponding slot, L, in the post thereat. A button, M, is pivoted eccentrically to the outer end of each tenon K, as shown clearly in Figs. 11 and 12, and thus can be turned over the face of the post to securely lock the tenon therein, or swung back to allow the tenon with the button to be withdrawn from the slot when taking the frame apart, as illustrated in Fig. 9. Three rectangular boards, N, of like size are employed in connection with the frame, and each of the boards is formed in each side edge with two slots, O and P, respectively, the slots being all adapted to fit closely the posts, end, and side braces of the frame, which are of equal and uniform cross section. At the base of each of the slots O and P in the several boards is pivoted a catch-arm, Q, as shown in detail in Fig. 5, which is adapted to be swung into one of the angle-slots R formed in the inner corners of the side bars, G and H, and end cross-bars C D at the points at which the slots O and P are adapted to embrace the same, as hereinafter more fully described. Blocks S are secured in the outer angles between the end cross-bar C and the corresponding end parts of the corner-posts, and extend to within a distance of the ends of the same equal to the thickness of the boards N.

In arranging the stand thus constructed as a table, as shown in Fig. 1, the frame is set up, as described, with the blocks S uppermost, and one board N is placed upon the blocks S, with its slots O and P embracing the projecting ends of the corner-posts, so that the board is held firmly in place, while its upper surface is flush with the tops of the posts. Another board N is rested upon the end and side bars F and H, respectively, with its slots O and P also embracing the corner-posts.

A music-stand or book-rack is formed, as in Fig. 2, by inverting the frame and arranging the three boards N vertically and crosswise of the frame, with their slots O and P embracing the side bars, G and H, and the catch-arms Q swung into the angle-slots R in said bars, as before described, to hold the boards from shifting lengthwise of the same.

In Fig. 3 is shown a towel-rack, formed by placing one board N upon the end and side bars C G of the inverted frame.

In Fig. 4 the stand is shown arranged as a 5 boot-and-shoe rack. The frame is inverted as before, and two of the boards N are rested horizontally upon the end and side bars C G and the end bars E, respectively, while the remaining board is placed in an inclined po- 10 sition, with its slots P embracing the upper ends of the posts B' A', its slots O embracing diagonally the end cross-bars F, and its forward edge abutting against the inner side of the corresponding side bar, H. A curtain can 15 be bound between the said bar H and the forward edge of the board, as shown in the figure.

In Fig. 6 one board N is placed horizontally upon the end and side bars C G of the inverted frame and the other two boards ar- 20 ranged vertically upon and at either side of the bottom board, with their upper slots, P, embracing the end cross-bars D and the catch-arms Q swung into the slots R in said bars D, as before described, so as to constitute a con- 25 venient cane-and-umbrella stand.

In Fig. 7 a book-shelf is shown, formed by arranging the boards horizontally one above the other upon the proper end and side bars of the inverted frame with their slots O P em- 30 bracing the corner-posts, as before.

In Fig. 8 the frame is shown arranged, as in Fig. 1, with a bottom and two vertical side boards N supported upon the end cross-bars D, with the slots of the side boards embracing 35 the end cross-bars C, and having the catch-arms Q engaged with the slots R therein to form a substantial ladies' work-table or flower-pot stand.

The braced pairs of end posts, A A' and B 40 B', with their respective hinged side bars, H and G, can be readily detached from each other, as before described in connection with Fig. 9, the side bars folded upon the posts, and the same, with the boards N, arranged in the 45 compact form shown in Fig. 10 for removal or storage.

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

1. The herein-described convertible stand, 50 composed of the pairs of parallel corner-posts A A' and B B', the end cross-bars, C, D, E, and F, connecting the posts of each pair, the pairs of side bars, G and H, connecting the posts A B and A' B', respectively, and the re- 55 movable boards N, having the side notches, O and P, the said posts, end and side bars all having a like cross-section adapted to the notches O and P in the boards, as and for the purposes set forth. 60

2. The portable frame constructed of the two pairs of corner-posts A A' and B B', the posts of each pair being braced together, the side bars, G and H, hinged to the posts B B' and A A', respectively, and having tenons K 65 on their free ends adapted to slots L in the opposite posts, and a movable catch-button on the end of each tenon K, substantially as shown and described.

3. In a convertible stand of the character 70 described, the combination, with a supporting-bar, as H, having a slot, R, extending through a part only of its cross-section, of a board, N, having a notch adapted to embrace the said bar, a catch-arm, K, pivoted to the board at 75 the notch therein and adapted to enter the slot in the bar, substantially as shown and described.

4. In a convertible stand of the class de- 80 scribed, the combination, with the corner-posts A A' B B' and the end and side bars, C and G, connecting the same, of blocks S, fixed in the upper angle of the posts and end bars and extending to within a short distance of the ends of the same, and the board N, having 85 notches O and P, adapted to embrace the end of the corner-posts and resting on the blocks S, substantially as shown and described.

FREDERIC STUART WEATHERLEY.

Witnesses:

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ERNEST F. WÜRTELE.