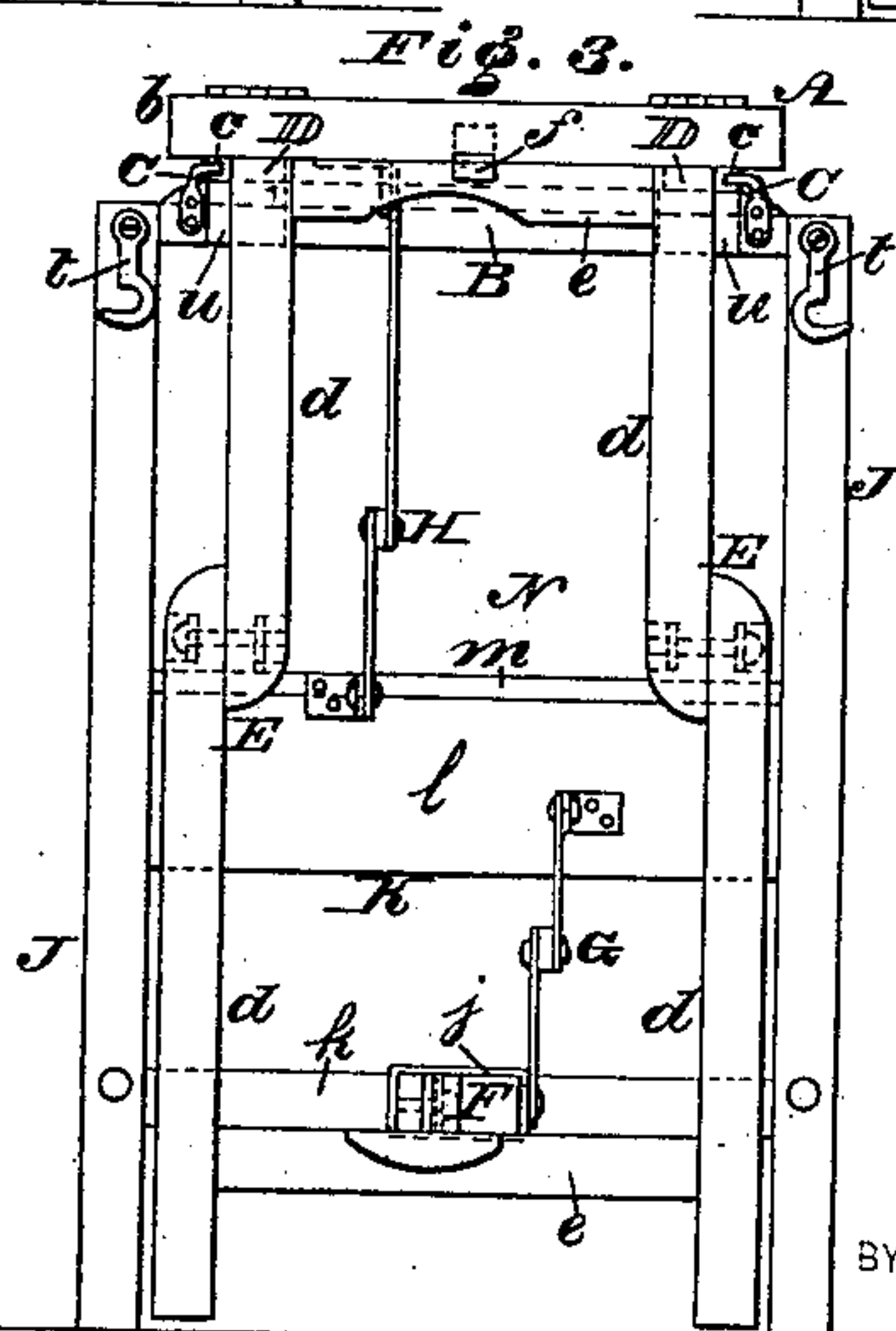
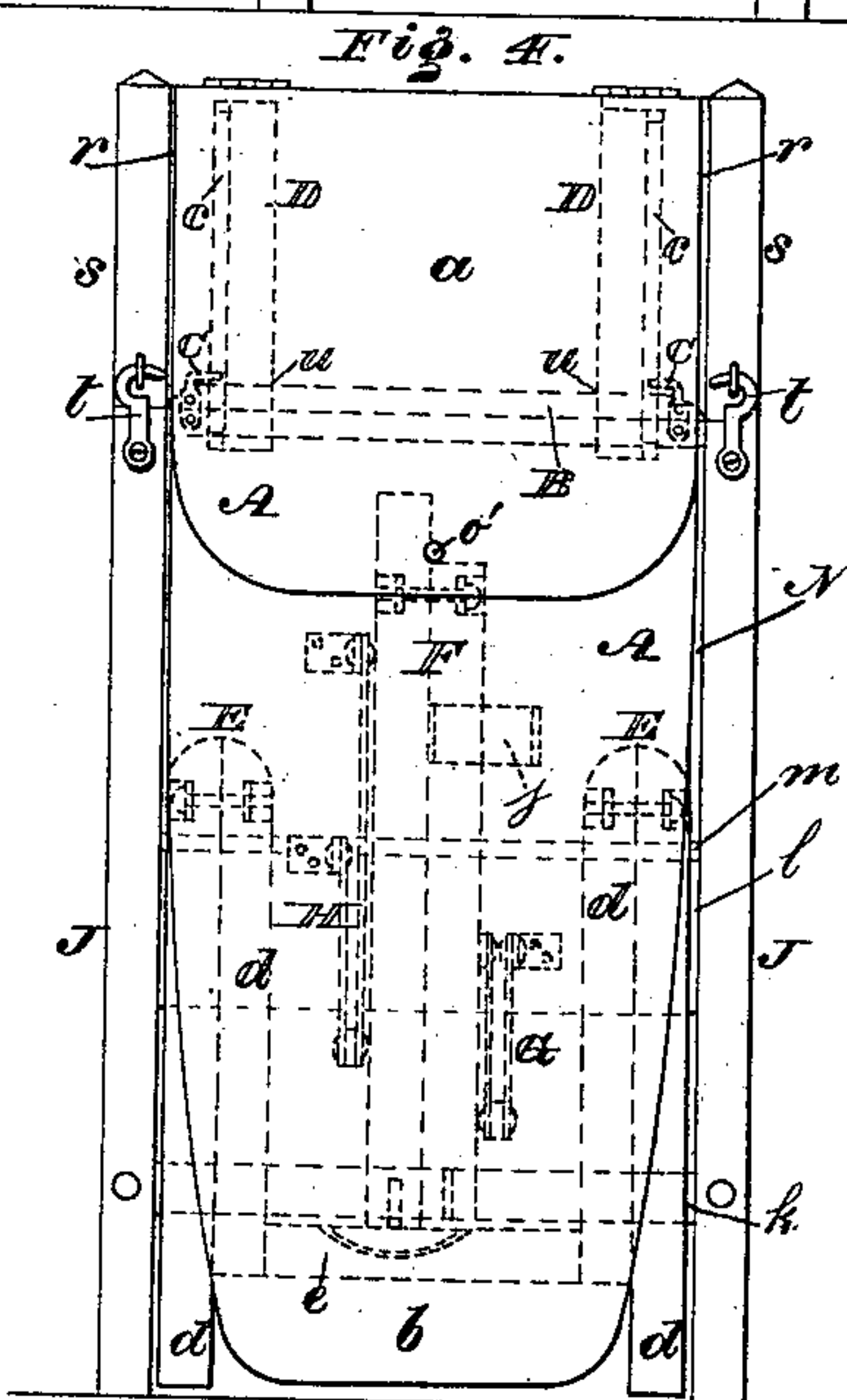
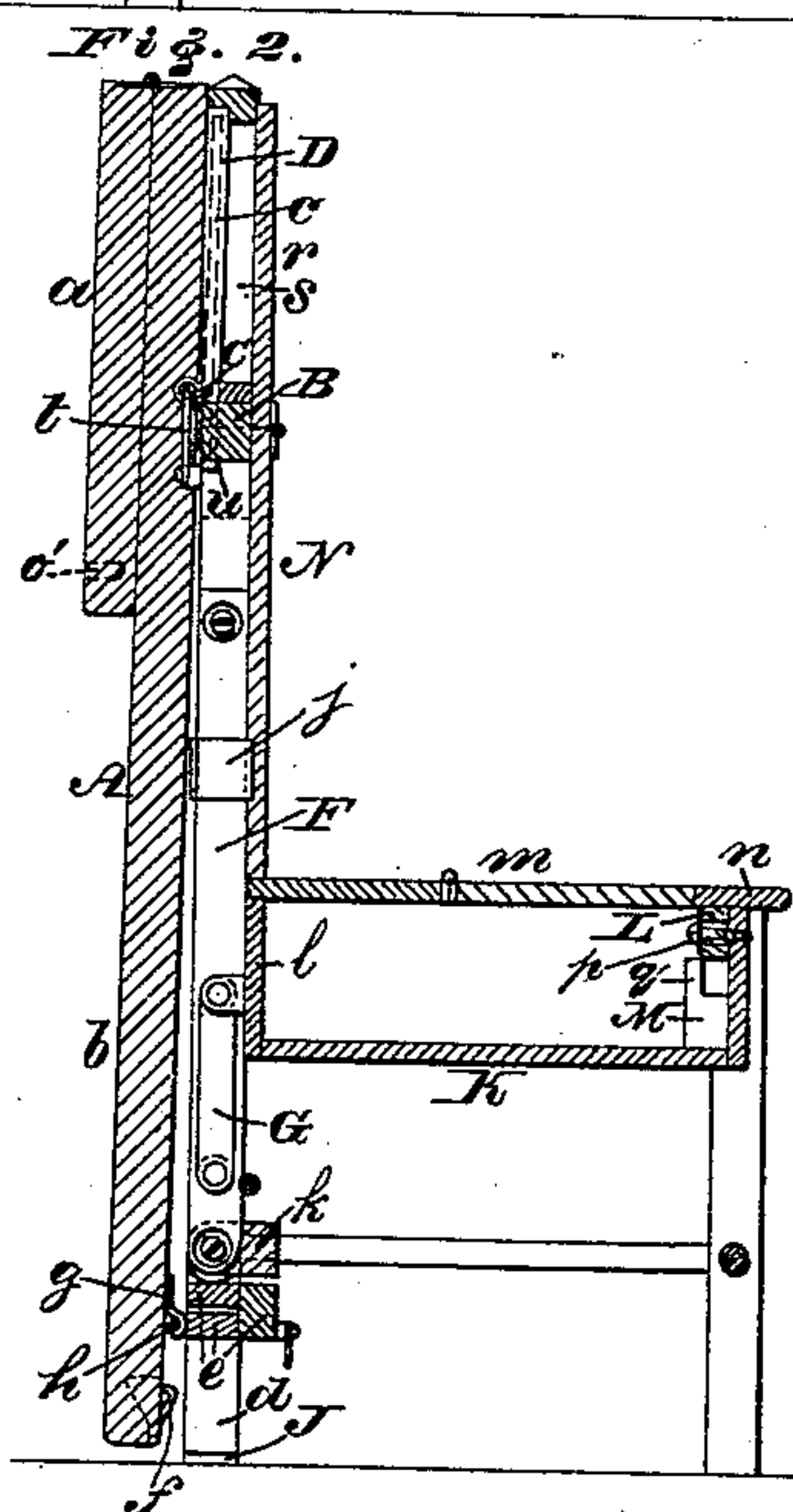
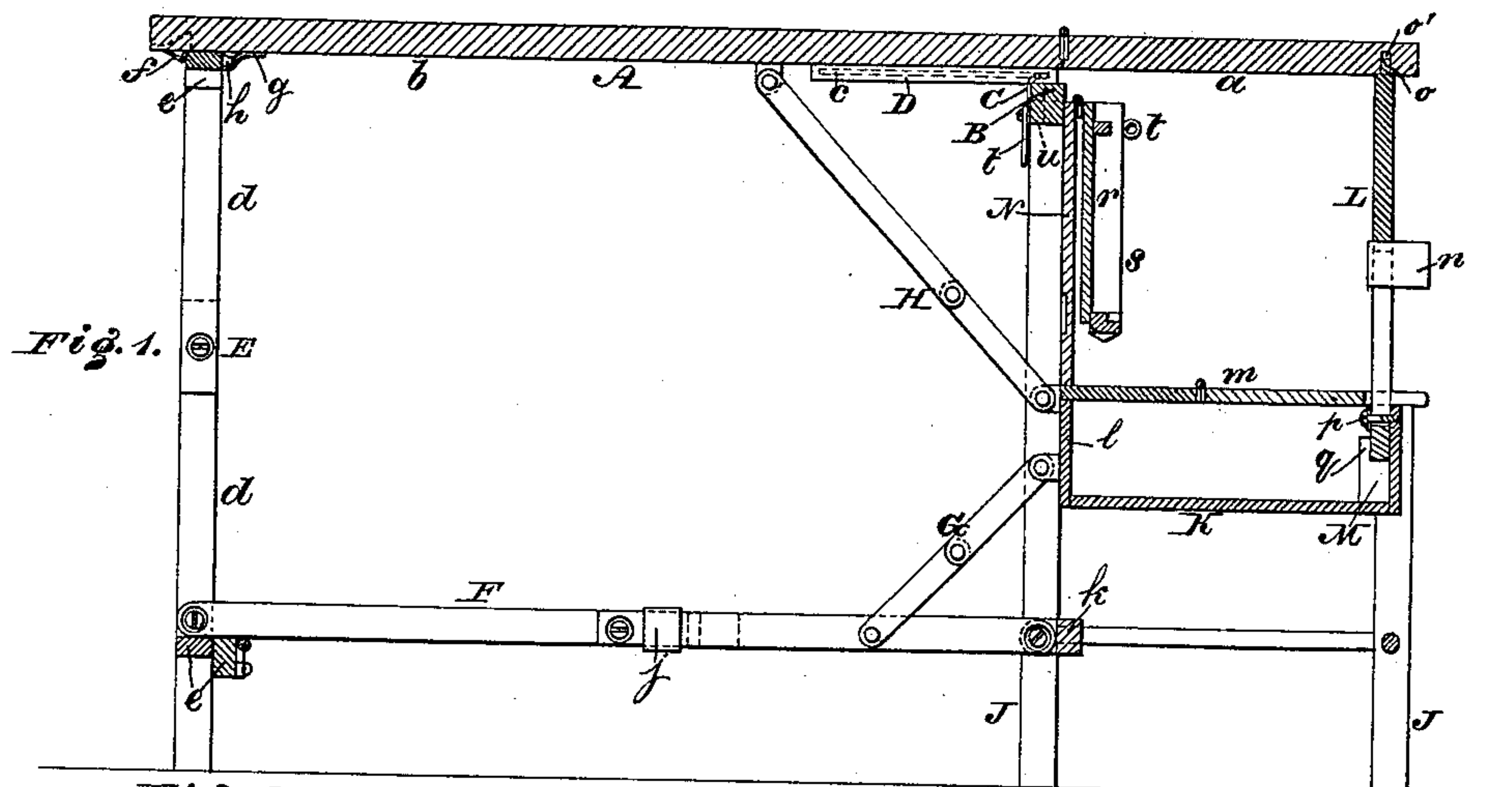


(No Model.)

A. P. YARNALL.  
CONVERTIBLE CHAIR.

No. 335,410.

Patented Feb. 2, 1886.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ALBIN P. YARNALL, OF EAGLE STATION, PENNSYLVANIA.

## CONVERTIBLE CHAIR.

SPECIFICATION forming part of Letters Patent No. 335,410, dated February 2, 1886.

Application filed November 19, 1884. Serial No. 148,277. (No model.)

*To all whom it may concern:*

Be it known that I, ALBIN P. YARNALL, a citizen of the United States, residing at Eagle Station, county of Chester, State of Pennsylvania, have invented a new and useful Improvement in a Combined Folding Ironing-Board and Chair, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a central longitudinal section of a combined folding iron-board and chair embodying my invention. Fig. 2 represents a similar view of the same device shown in Fig. 1, the parts being folded. Fig. 3 represents a rear elevation, the parts being in position shown in Fig. 1. Fig. 4 represents a rear elevation, the parts being in position shown in Fig. 2.

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

My invention relates to improvements in combined ironing-boards and chairs; and it consists of novel means whereby an ironing-board and chair may be combined, so that parts of each may be utilized as parts of the other; also in providing folding devices whereby, when the chair is to be used, the other portions of the device may be made to occupy less room, as will be hereinafter fully set forth.

Referring to the drawings, A represents an ironing-board consisting of two sections, *a* and *b*, of unequal length, the latter being the longer, the sections being hinged together, so as to fold, bringing the upper faces thereof in contact. The inner end of section *b* of the board A is pivotally connected on its under side with a cross-piece, B, by means of a guide, C, fastened to said cross-piece and passing through openings or slots *c*, formed by pieces D, suitably secured to the board A, between the under side of section *b* and the said pieces, and the said pivotal fastening is such as to permit the board A, when the outer end is lowered and pushed inward, to assume a vertical position, or one nearly so.

E represents a frame, consisting of two uprights, *d*, each formed in halves or sections pivotally connected, the upper and lower parts, respectively, connected by cross-pieces *e*. Near the outer end of section *b* of the ironing-board, and on the under side, is a spring-catch, *f*, and

on the same side, at equal distances from the end of the board, are two hooks, *g*, which engage with a horizontal rod, *h*, attached to the upper cross-piece *e*, so as to form a hinge-connection therewith. To the lower cross-piece *e* is pivotally secured a hinged or jointed bar, F, having a band, *j*, thereon. The other end of the said bar F is pivotally secured to a brace, *k*, of the chair. The outer end of the bar F is rounded on its under surface, and the inner end thereof on its upper surface, so that it may move freely on its pivotal connections.

G represents a hinged brace-bar attached to the back part, *l*, of a chair-box, K.

H represents a sectional brace-bar, pivotally connected with both the under side of section *b* and the part *l* of the chair seat or box.

J represents the uprights or legs of the chair. The rear pair of the said uprights extend above the box K, and are connected at their upper end by the cross-piece B. These uprights sustain a box or frame, K, secured thereto, the upper portion, *m*, of which constitutes the seat of the chair. The seat *m* is in two sections hinged together, the front portion forming a lid for the box K. In the front edge of the lid is a small opening, which is filled by a block, *n*, when the device is folded and used as a chair. The said block *n* is fastened to a slotted bar, L, which is secured to the inner side of the front portion of the box K by a pin or stud, *p*, working in the slot thereof. The lower end of the said bar L is rounded, and the upper end has a tenon, *o*, for insertion in a hole, *o'*, in the under side of section *a* of the ironing-board, for the purpose of steadying and supporting the said board when the device is extended.

M represents a block, having an upward flange, *q*, the said block and flange serving as a support and brace for the bar L when the said bar is raised.

N represents the chair-back, having a hinged portion or upper part, *r*, so connected as to fold against the front portion of the lower part thereof when the ironing-board is extended; but when the chair is to be used the said part *r* is raised, and in connection with the lower part presents an even-faced chair-back. The said part *r* has suitable strengthening-pieces, *s*, around its border, which are



so placed that when it is raised the side pieces form extensions of the back uprights, J. Suitable fastenings, as *t*, are provided to hold said part *r* in a raised position.

5 On the rear side of the cross piece B are recesses *u*, which permit the entrance therein of the pieces D when the device is folded.

The manner of operating the device is simple. When it is desired to change it from a  
10 folded condition, or as a chair, to an extended or ironing-board condition, the upper portion, *r*, of the chair-back is unfastened and turned down, the lower end of section *b* is raised, and the entire board moved backward on the cross-  
15 piece B, said movement straightening the brace-bar H. The frame E is now drawn out, and at the same time, owing to its connection with the frame E, the bar F is straightened. The band *j* is then drawn over the connected  
20 end portions of the sections of the said bar F. The brace-bar G is also straightened by the same movement of the frame E. The box K is then opened and the bar L slid on the pin *p* until the said pin is in the lower portion of  
25 the said slot, when the outer end of the bar is raised and the tenon *o* inserted in the hole *o'* of the section *a* of the board A, which is unfolded or raised from section *b*. The device is now in condition for use as an ironing-  
30 board.

When it is desired to close or fold the device so that it may be employed as a chair, the part *a* is folded on section *b* of the board, and the slotted bar L lowered and slid into  
35 the box K. The band *j* is then slipped off the connected ends of the sections of bar F and placed on the inner section, so as to be out of the way of the outer section thereof when the said bar F is doubled in the act of lowering  
40 the end of the board *b*. The outer end of the board *b* is lowered and at the same time moved inward, thereby doubling the sections of the uprights *d* on each other, the same movement also doubling the sections of the brace-bars G  
45 and H. When folded, the parts E, F, G, and H will lie within the two planes of the front and back faces of the back uprights, J, of the chair. The device is now ready for use as a chair.

50 Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. A combined ironing-board and chair having a folding board composed of two sections hinged together and pivotally secured  
55 to the back uprights of the chair, and provided with means, consisting of bars pivotally connected together and with the end of the said board, for supporting the same, substantially as described. 6c

2. A combined ironing-board and chair having a folding board composed of two sections, one of which has a detachable support, substantially as described, while the other  
65 section has a support composed of bars pivotally connected together and to the said section, substantially as described.

3. In a combined ironing-board and chair, the folding board A, composed of sections *a* and *b* hinged together, in combination with  
70 the frame E, pivotally secured to the outer end of said section *b*, bars F, and braces G and H, and back uprights, J, having cross piece B, the said section *b* having secured thereto the pieces D, and the cross-piece B, having  
75 guide C, substantially as described.

4. In a combined ironing-board and chair, the folding board A, in combination with the cross-piece B, the guide C, and pieces D, sub-  
80 stantially as described. 8c

5. The folding board composed of sections *a* and *b*, the latter having pieces D, in combination with back uprights, J, having cross-  
85 piece B and guide C, seat K, and slotted bar L, having block *n*, the said bar L being pivotally secured to said seat K, substantially as described.

6. A chair having its back uprights, J, provided with the back N, having the hinged portion *r*, with border-strengthening pieces *s*,  
90 said pieces forming a continuation of said uprights, and the folding board A, pivotally secured to the cross-piece B, secured to said uprights, said parts being combined substantially as described.

ALBIN P. YARNALL.

Witnesses:

JOHN A. WIEDERSHEIM,  
JNO. K. PLITT.