

(No Model.)

H. L. WHITEHEAD.  
COLLAPSIBLE CHAIR.

No. 379,670.

Patented Mar. 20, 1888.

Fig. 1.

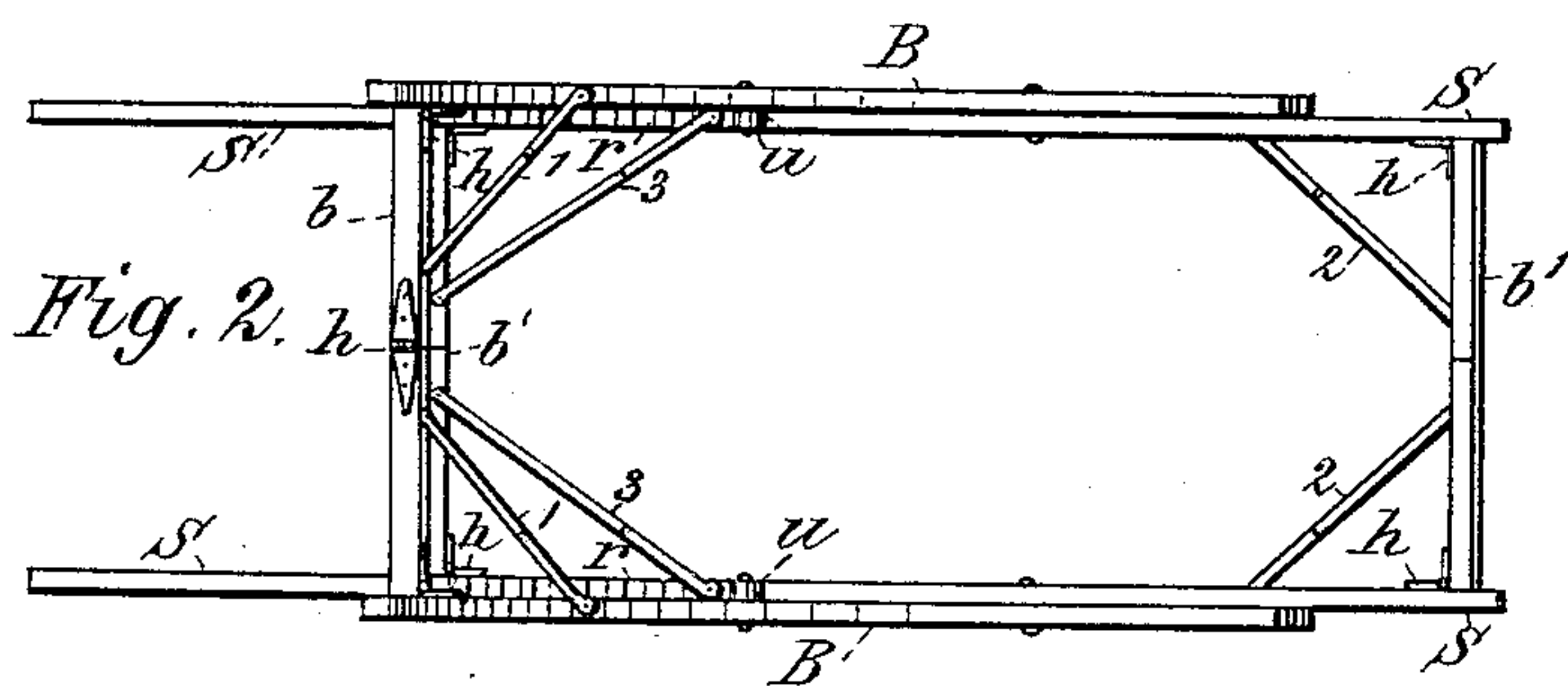
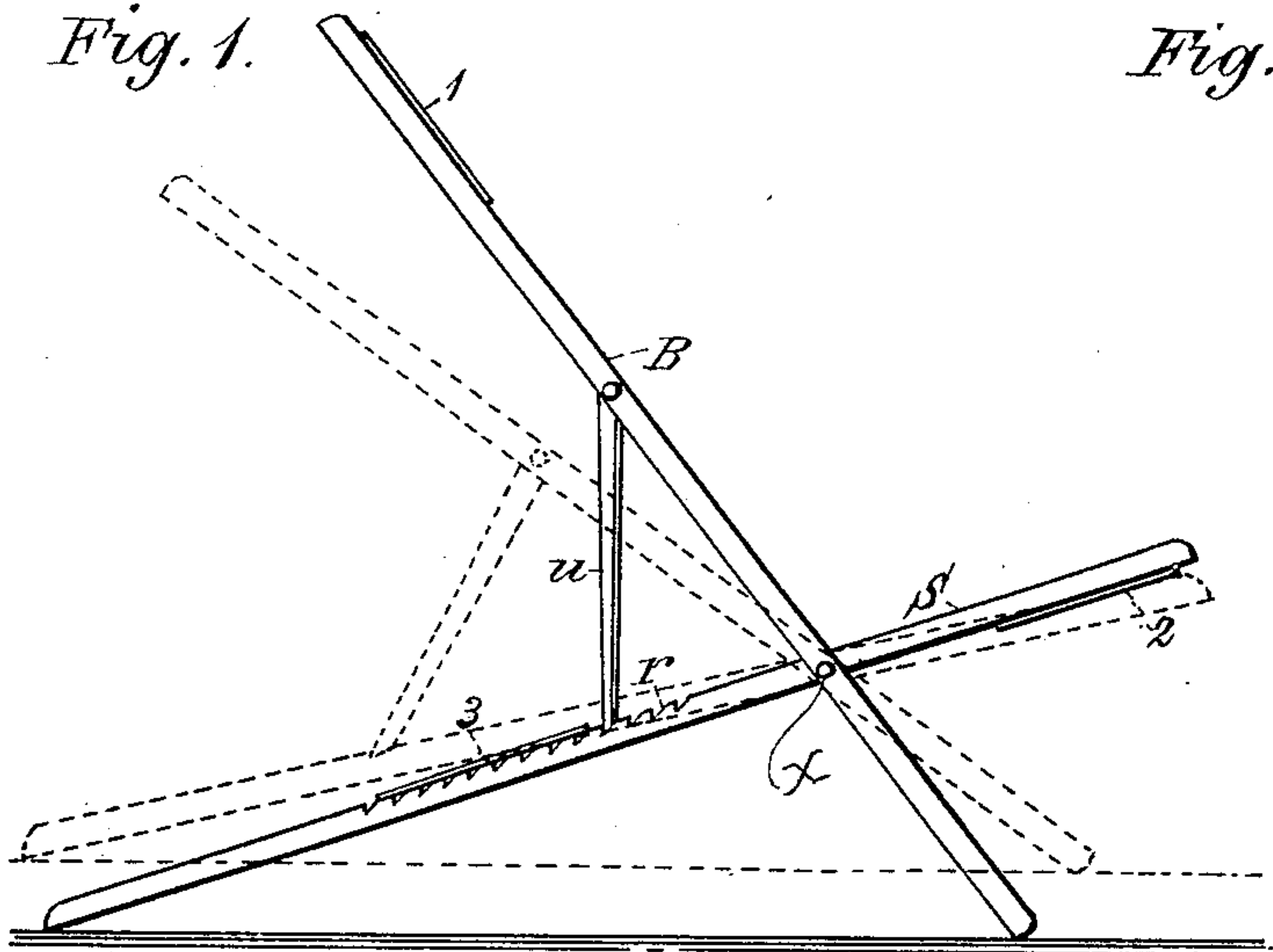


Fig. 3.

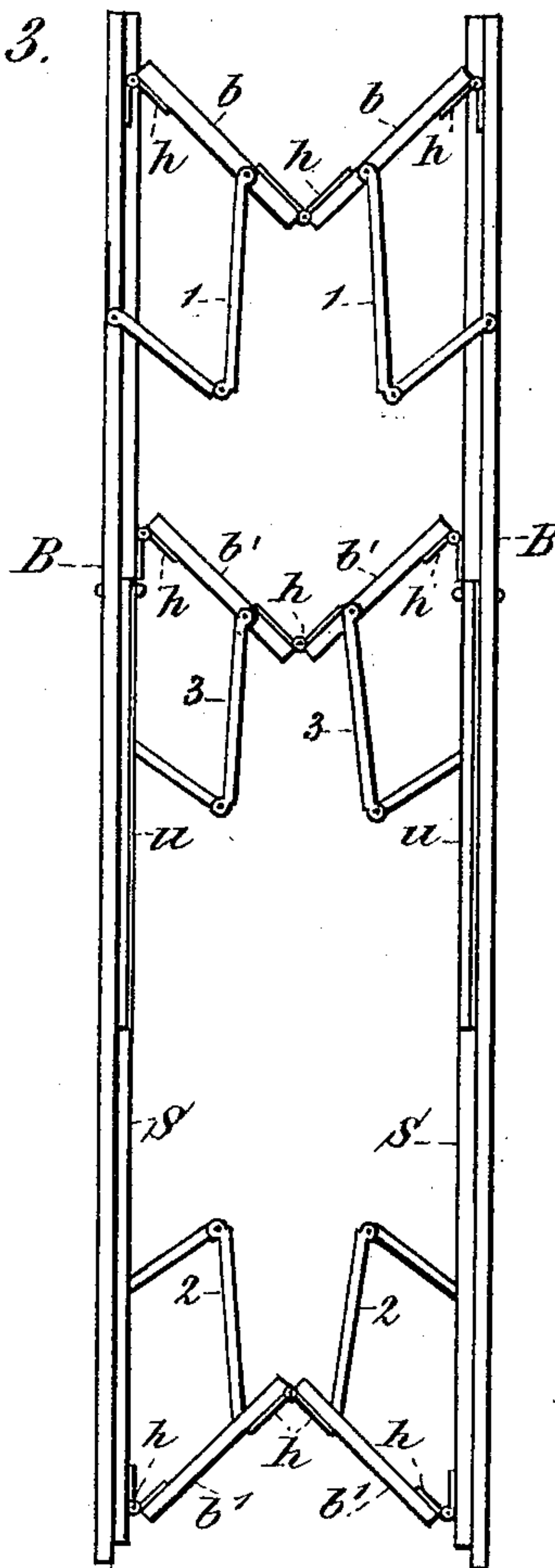
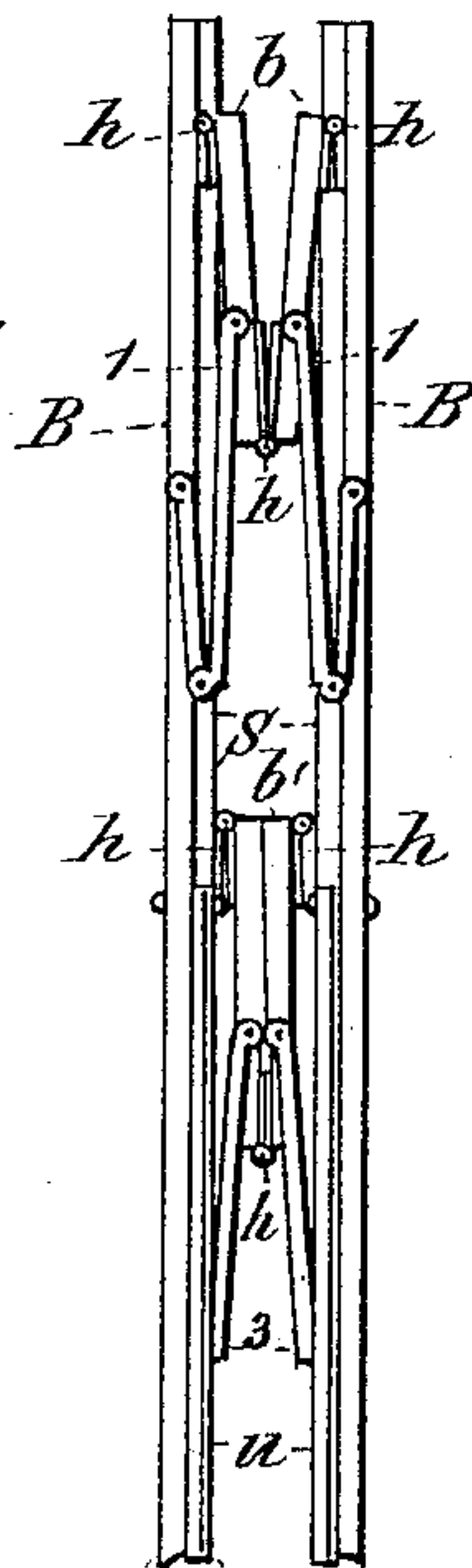


Fig. 4.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

HERBERT L. WHITEHEAD, OF INDIANAPOLIS, INDIANA.

## COLLAPSIBLE CHAIR.

SPECIFICATION forming part of Letters Patent No. 379,670, dated March 20, 1888.

Application filed July 21, 1887. Serial No. 244,878. (No model.)

*To all whom it may concern:*

Be it known that I, HERBERT L. WHITEHEAD, of Indianapolis, county of Marion, and State of Indiana, have invented certain new and  
5 useful Improvements in Collapsible Chairs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters refer to like parts.

10 My invention relates to the construction of collapsible chairs; and it consists in the combination and arrangement of the parts of the chair, so that it may be folded down flat, and also compressed sidewise, so as to take up little  
15 room in transportation, as will be understood from the following description.

In the drawings, Figure 1 represents a side view of the chair, the dotted lines showing the chair with the back lowered still more than in  
20 the full lines. Fig. 2 is a top view of the chair when folded down flat. Fig. 3 is a rear view of the chair folded flat and the joints broken for compressing sidewise. Fig. 4 is a rear view of the device entirely folded up in both direc-  
25 tions for transportation.

It will be understood that the canvas portion of the frame and seat is not shown in any of these figures, so as not to interfere with the view.

30 The chair itself is composed of the back portion B, and the seat portion S, pivoted together on each side at *x*, as shown in Fig. 1.

The back and seat parts are made of light frame-work, the standards of the seat-frame being connected by the jointed bars *b' b'*, hinged  
35 inside the seat-frame, and by the knuckle-joint braces 2 and 3, as shown in Fig. 3. The back-frame is connected at the top by the jointed bar *b* and by the knuckle-joint brace  
40 1, also shown in Fig. 3. The bars *b b'* are connected by ordinary strap-hinges, *h*, to their respective frames, as shown. The back portion of the seat-frame, which extends to the rear to form a support for the chair, is notched as a  
45 rack at *r* on each side. Upright pawls or braces *u*, pivoted to the back-frame, have their lower edges beveled to fit into the notches of this rack to support the back-frame upon the  
50 seat-frame and to allow of the back being lowered, which is done by setting the pawls into different notches, as shown in Fig. 1.

The piece of canvas forming the seat is attached at the top of the back-frame and at the forward end of the seat-frame. The chair as shown in Fig. 1 is in proper position for use. 55  
When it is desired to fold it up, the back is raised, freeing the uprights *u* from the notches of the rack. These uprights are then pushed in between the sides of the back, and the back and seat are compressed down upon each other, 60  
moving upon their pivot *x*. The knuckle-joints of the braces 1 and 2 are then pushed into the position shown in Fig. 3, and these braces, being pivoted to the brace-bars *b b'* at the same time, break the joints of the hinges of these 65  
bars, as shown also in Fig. 3, and the sides of the device can be compressed together in the manner shown in Fig. 4, making it compact and ready for transportation. When it is desired to open it for use, the sides of the frames 70  
are pulled apart from the position shown in Fig. 4 to that shown in Fig. 3, and with the hand the knuckle-joint braces are pressed outward, forcing the frames farther apart, straightening these knuckle-joint braces, and these op- 75  
erate the jointed bars, and the frames take the position shown in Fig. 2. Then resting the end of the seat-frame upon the floor, the back is elevated, its forward end also touching the floor, the uprights *u* are placed in position at 80  
the height desired in the notches of the rack, and the chair is ready for use.

I am aware that chairs composed of a back and seat frame adapted to fold down flat one upon the other are not new, and do not claim 85  
the same as my invention; but I am not aware that a chair having the capabilities of being folded together in both directions and constructed as herein shown has been heretofore known or used. 90

What I claim as my invention, and desire to secure by Letters Patent, is the following, viz:

1. A collapsible chair comprising a back-frame whose side bars are connected by jointed bars, such jointed bars braced from the side 95  
bars by jointed braces, a seat-frame likewise connected and pivoted to the back-frame, and uprights for holding the frames apart in position for a chair when open, substantially as shown and described. 100

2. A seat-frame, S, its sides connected by hinged bars *b'*, the latter braced out from the

side bars by the braces 2 and 3, such side frame pivoted at  $x$  to the back-frame B, whose sides are connected by a jointed bar,  $b$ , the latter braced out from the side bars by the jointed  
5 braces 1, and the uprights  $u$ , pivoted to the back-frame, working in notches in the rack  $r$ , formed on the rear of the side frame, S, all combined substantially as described.

3. A collapsible chair comprising, in combination, a side frame, S, whose uprights are connected by hinged bars  $b'$ , such hinged bars braced out from the uprights by the jointed  
10 braces 2 and 3, the back-frame B, whose uprights are connected by the hinged bar  $b$ , the

latter braced out from the side of such back- 15 frame by the jointed brace 1, the back-frame and the side-frame pivoted together at  $x$ , and upright braces  $u$ , pivoted to one and resting against the other to support the parts in position for the chair when open, substantially as 20 shown and described.

In witness whereof I have hereunto set my hand this 18th day of July, 1887.

HERBERT L. WHITEHEAD.

Witnesses:

C. P. JACOBS,

E. B. GRIFFITH.