

(No Model.)

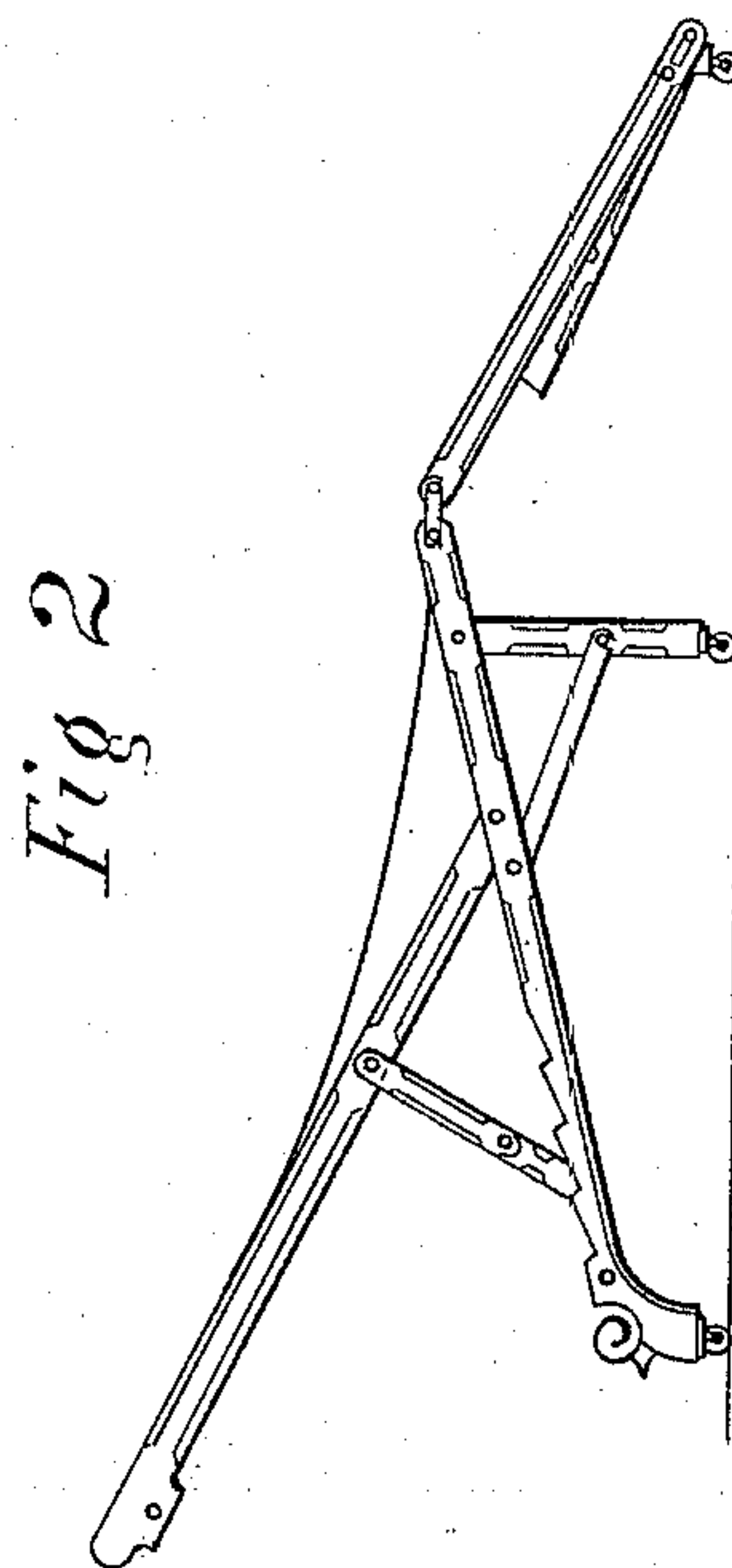
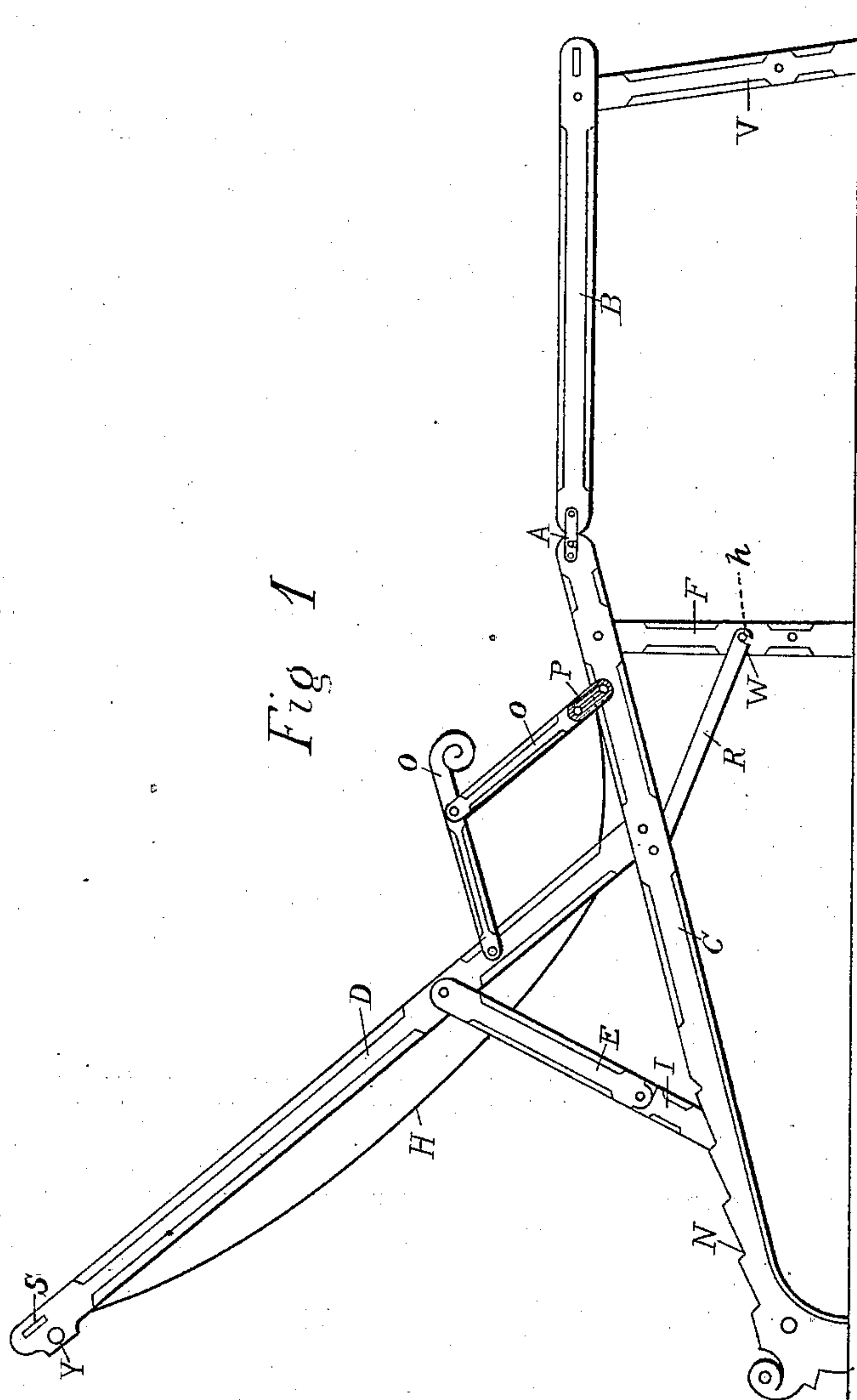
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C. E. ALLEN & I. D. HATCH.

ADJUSTABLE CHAIR.

No. 365,720.

Patented June 28, 1887.



WITNESSES

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(No Model.)

2 Sheets—Sheet 2.

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Fig 3

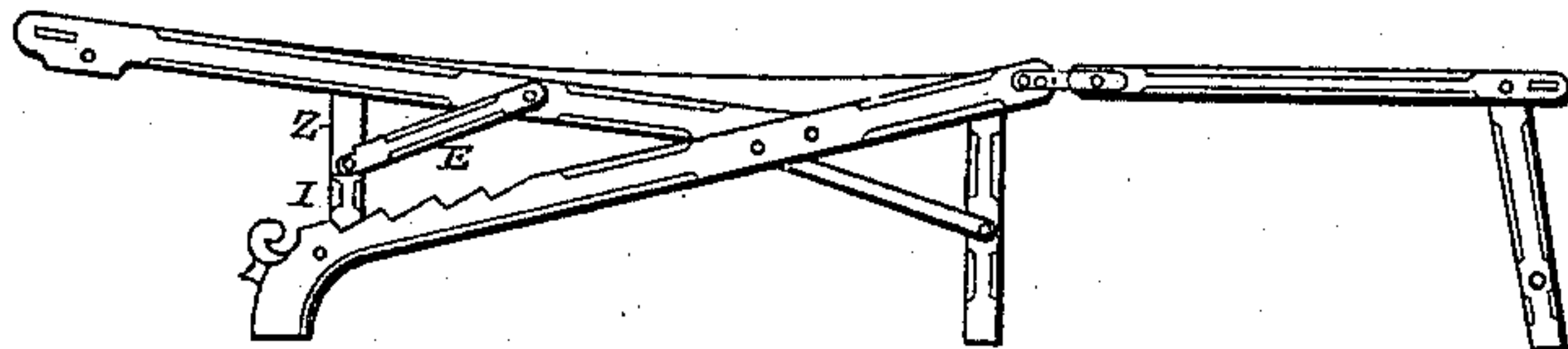


Fig 4

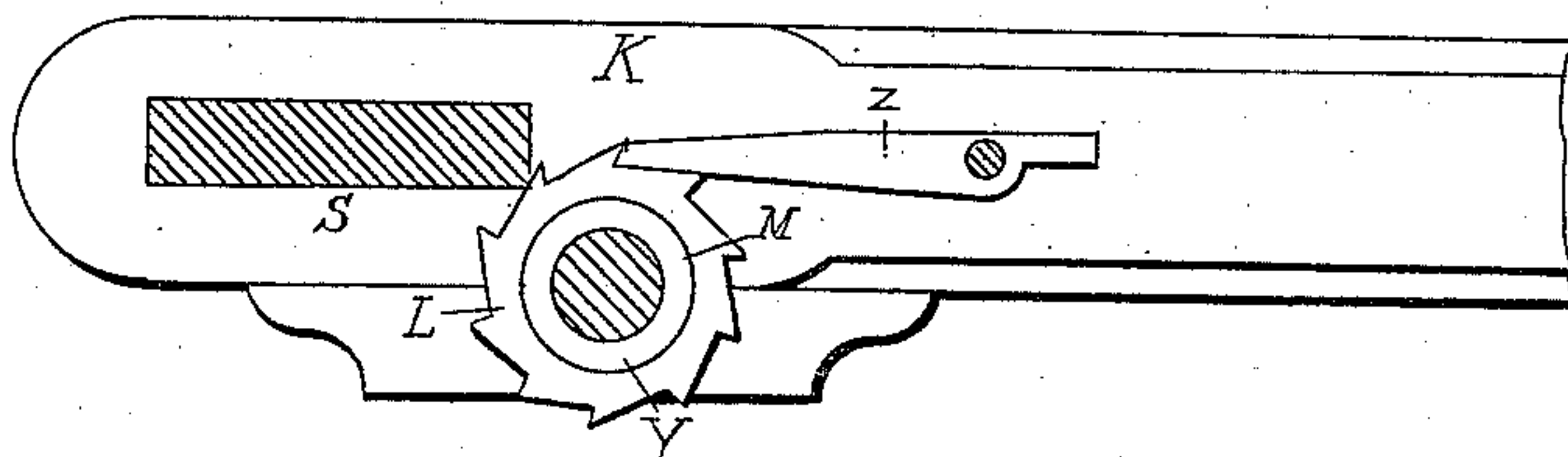
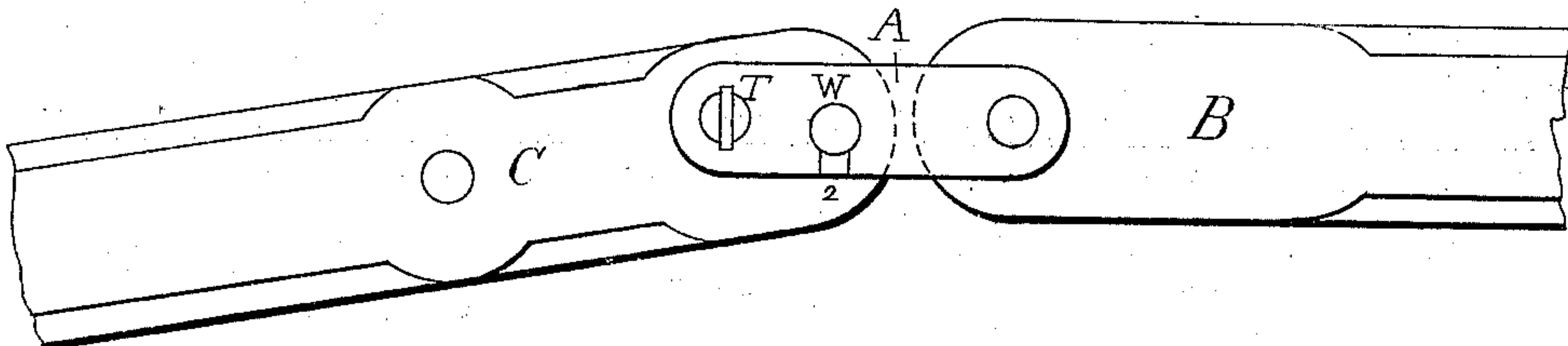


Fig 5



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UNITED STATES PATENT OFFICE.

CLARENCE EUGENE ALLEN AND IRA DWIGHT HATCH, OF SWANTON, VERMONT; SAID HATCH ASSIGNOR TO SAID ALLEN.

ADJUSTABLE CHAIR.

SPECIFICATION forming part of Letters Patent No. 365,720, dated June 28, 1887.

Application filed March 9, 1887. Serial No. 230,293. (No model.)

To all whom it may concern:

Be it known that we, CLARENCE EUGENE ALLEN and IRA DWIGHT HATCH, citizens of the United States, and residents of Swanton, in the county of Franklin and State of Vermont, have invented certain new and useful Improvements in Adjustable Chairs and Lounges; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others 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.

Figure 1 of the drawings is a side elevation of an easy-chair. Fig. 2 is a side elevation of an invalid-chair. Fig. 3 is a side elevation of a bed-lounge. Figs. 4 and 5 are detail parts. Our invention relates to invalid-chairs, obstetric chairs, easy-chairs, and bed-lounges combined; and it consists in the construction and novel combination of parts, as hereinafter described and claimed.

As the several figures of the drawings are views in elevation, and as the two sides of the structure are similar in construction, it will be understood that while some of the parts are mentioned in the plural they are only shown singly. The figures of the drawings, however, are sufficient to fully illustrate the invention to persons familiar with the art to which it appertains.

Referring by letter to the accompanying drawings, C designates the inclined side rails or sills of the structure, said side rails being notched in their upper edges near their rear ends, as at N. These rails C are provided with feet at their rear ends, and serve as the rear legs of the structure.

F designates the front legs or supports of the sills, said legs F being hinged at their upper ends to the sills or side rails C, near the front ends of the latter. Braces R, hinged at their rear ends to the side rails or sills C, are provided each with a notch near its front end, said notches being adapted to be brought into engagement with rounds h, which latter connect the front supports, F.

D designates the side rails of the chair-back, the lower ends of said side rails D being hinged

to the sills C, and also connected to the sills C by the hinged connected arms o o. Iron plates P connect the lower ends of the arms o to the sills C.

The upper ends of the hinged or jointed braces E I are pivoted to the side rails D, the lower portions, I, of said jointed braces engaging either of the notches N of the sills C. Said portions I have upward extensions Z beyond the joints.

The lower end of a canvas seat and back, H, is secured to a cross-rail between the upper or front ends of the sill C, and extends up and back over and under the cross-rail S at the upper end of the side rails D of the back, and is connected to a roller, Y, journaled in bearings secured to the lower edges of said side rails D. On its projecting ends the roll Y is provided with ratchets L, which are engaged by detents T, and revolves on tenons M when operated. The detents T prevent backward motion of the roller Y while said detents are in engagement with the ratchets L. The side rails of a foot-rest, B, are hinged at their upper or rear ends to the front ends of the sills C by metal plates A, having notches 2 in their lower edges, which notches engage pins W in the sides of the sills C, near the front ends of the latter.

Thumb-nuts T are secured upon threaded studs projecting from the sills C, and are used to connect the foot-rest with the chair, and to permit it to be disconnected therefrom when desirable or necessary.

The feet of the legs or supports, and also the foot-rest are provided with casters, which permit the chair to be easily moved from place to place. At its front end the foot-rest is provided with hinged legs V, which may be folded up to permit the foot-rest to be inclined, or may be unfolded to elevate the foot-rest when the structure is to be used as a lounge or bed.

When the back of the chair is let down to a horizontal position, the lower portions, I, of the braces E are turned to a vertical position, as shown in Fig. 3, and serve, by their extensions Z, to support the back of the chair in position to form the lounge.

Having described this invention, what we claim, and desire to secure by Letters Patent, is—

1. In a folding chair, the combination, with the notched and inclined sills, of the hinged jointed back-supports E I, having the extensions Z, and the hinged back D, front legs, F, 5 and braces K, substantially as specified.

2. The combination, with the notched and inclined sills, the hinged back and the hinged jointed back-supports, and the pins W and the canvas H, of the foot-rest provided with the

folding legs, the notched metal plates A, and the thumb-nuts T, substantially as specified.

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

CLARENCE EUGENE ALLEN.

IRA DWIGHT HATCH.

Witnesses:

OWEN E. SHERIDAN,
RIGNEY MARVIN.