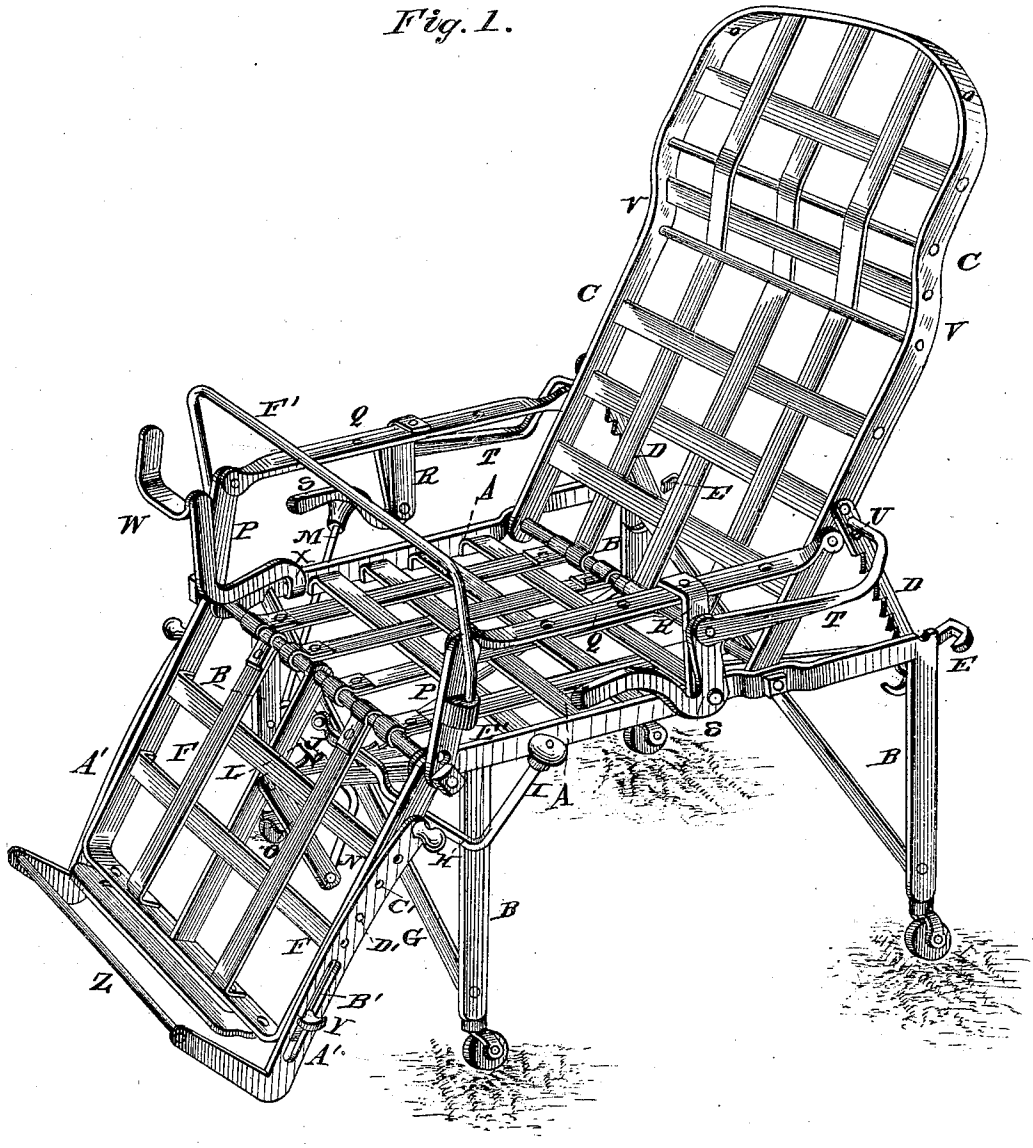
(No Model.) 4 Sheets—Sheet 1.

J. F. WARNER.

ADJUSTABLE RECLINING CHAIR.

No. 256,773. Patented Apr. 18, 1882

Fig. 1.



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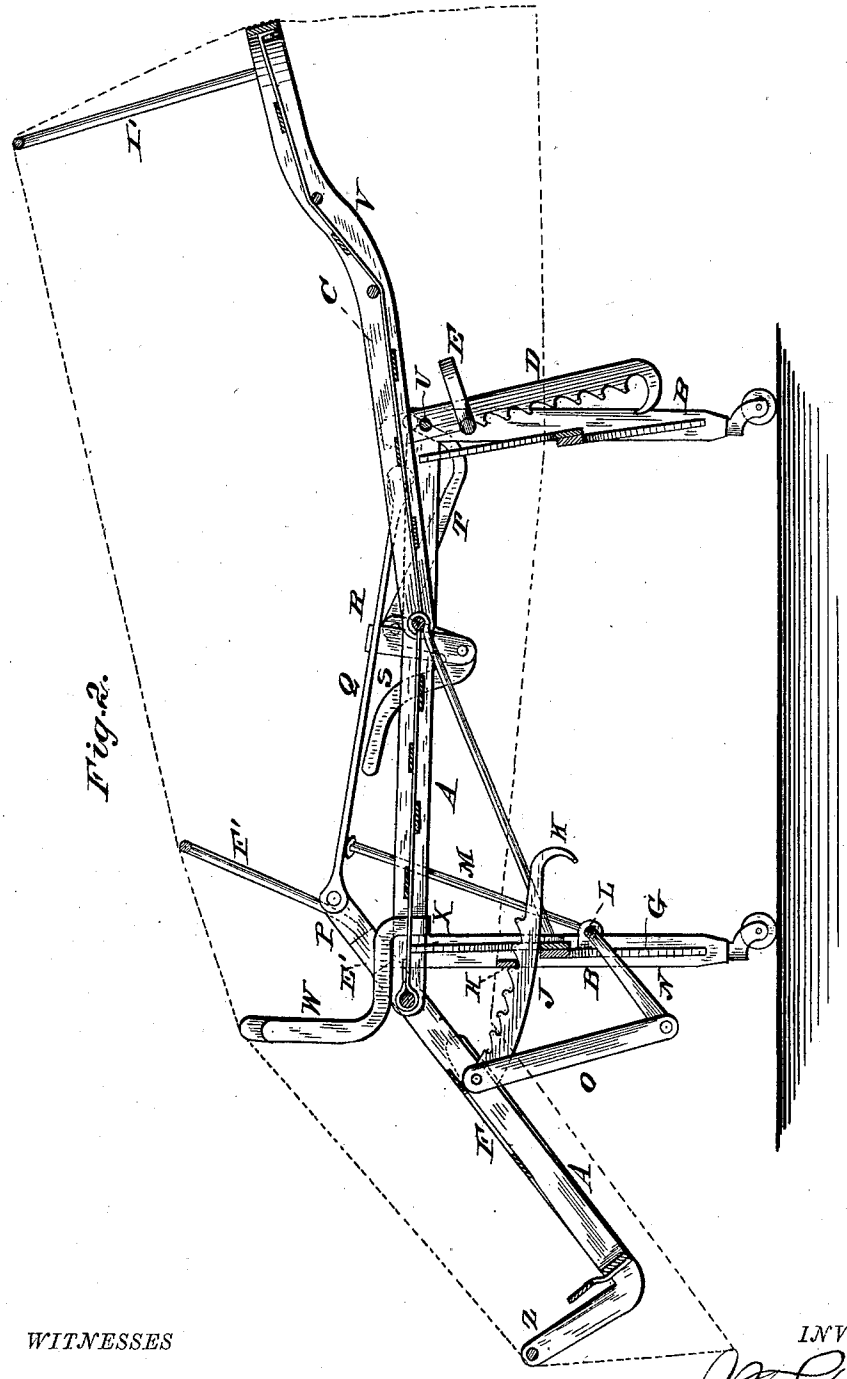

Fig. 2.

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Fig. 3.

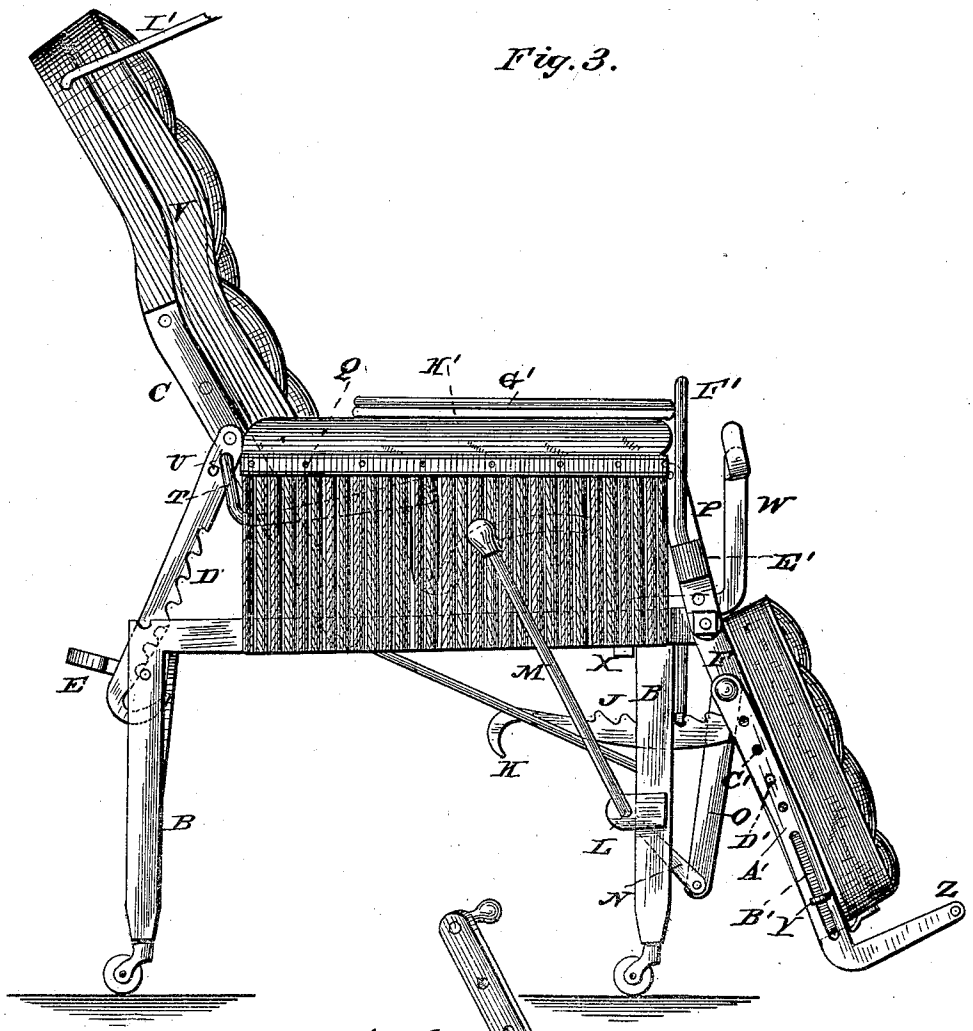

Fig. 5.

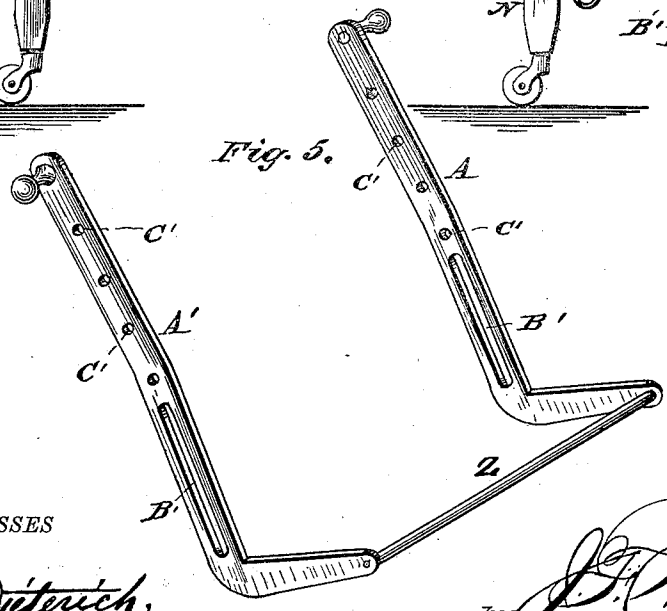

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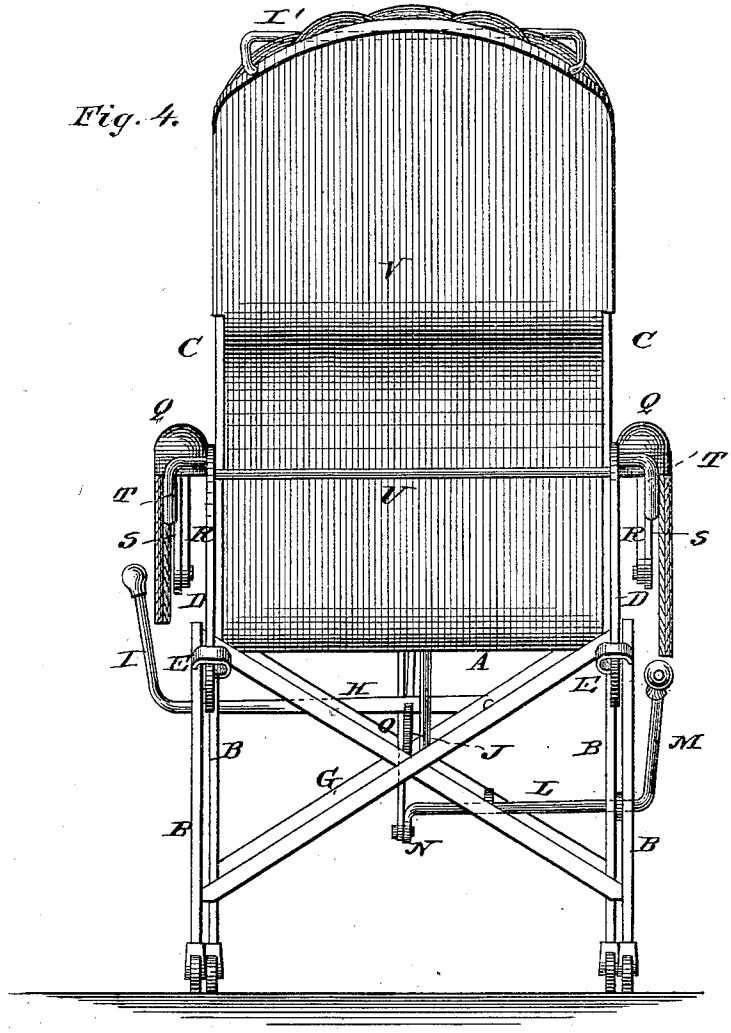
Fig. 4.



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UNITED STATES PATENT OFFICE.

JACOB F. WARNER, OF ELKHART, INDIANA.

ADJUSTABLE RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 256,773, dated April 18, 1882.

Application filed November 30, 1881. (No model.)

To all whom it may concern:

Be it known that I, JACOB F. WARNER, of Elkhart, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Adjustable Reclining-Chairs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of my improved adjustable easy and invalid's chair. Fig. 2 is a longitudinal vertical sectional view. Fig. 3 is a side view. Fig. 4 is a rear view. Fig. 5 is a detail view, in perspective, of the adjustable and detachable foot-rest.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to that class of adjustable, easy, and invalids' chairs which may be adapted to a sitting or recumbent position of the occupant; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the seat-frame, which is supported upon four legs, B, properly braced, as shown.

C is the back-rest, the frame of which is hinged to the sides of the seat-frame some distance in front of the rear legs.

Pivoted to the sides of the back-rest frame are ratchet-bars D D, moving in and engaging a pair of brackets, E, secured upon the inner sides of the rear legs, so as to retain the back-rest in any position to which it may be adjusted. The method of and means for manipulating the ratchet-bars D will be hereinafter described.

F is the leg-rest, which consists of a suitably-constructed frame hinged to the front of the seat-frame, so as to be capable of being adjusted to a horizontal or a vertical position, or at any intermediate angle.

Pivoted to one of the diagonal braces G, which connect the front legs, or at any other suitable point, is a lever, H, having a handle, I, which extends in an upward direction, so as to be conveniently reached and manipulated by the occupant of the chair. Said lever engages a ratchet-bar, J, pivoted under the leg-rest frame, which is thereby retained at any position to which it may be adjusted. To prevent the ratchet-bar J from being drawn away from and out of engagement with the lever H, it is formed at its rear end with a hook, K, adjusted over the braces G, thus preventing mutual displacement of the parts referred to.

L is a shaft, journaled horizontally in suitable bearings upon one of the legs B and one of braces G. Said shaft is provided at its outer end with an arm or lever, M, extending upward, so as to be conveniently reached and manipulated by the occupant of the chair. At its inner end the said shaft has an arm or crank, N, connected by a pivoted rod, O, with the under side of the leg-rest frame. In the drawings the rod O is shown to be pivoted upon the same axis as the ratchet-bar J; but this is in no wise necessary or essential.

It will be seen that by lowering the lever M the leg-rest frame may be raised to a horizontal position level with the seat of the chair, while by disengaging the lever H from the ratchet-bar J it may be lowered to a vertical or to any desired position.

To the front ends of the sides of the seat-frame are pivoted uprights P P, to the upper ends of which the front ends of the arm-rests Q Q are pivoted or hinged, as shown. The rear ends of said arm-rests are pivoted to the sides of the back-frame. Arm-rests Q Q are provided with downward-projecting brackets R R, to which are pivoted bell-crank levers S, the horizontal arms of which form handles within the reach of the occupant of the chair, while the vertical upward-projecting arms of said levers are connected, by suitably-constructed pivoted rods, T, with the ratchet-bars D, pivoted upon the sides of the back-rest frame, as above described. Said ratchet-bars are connected by a transverse rod, U.

It will be seen that by operating the levers S alternately the ratchet-bars D are alternately disengaged from the brackets E, thus permitting the back-rest frame to be let down by the occupant of the chair one step at a time to an approximately horizontal or level position. Simultaneously with letting the back-rest frame down, the arm-rests, being attached

to pivoted supports, are gradually lowered to the level of the seat, thus forming a couch much wider at this point, and accordingly more comfortable.

Near its upper end, or at a point coinciding with the neck of an ordinary-sized individual, the back-rest frame has a bend or curve, V, which, when suitably upholstered, forms a comfortable cushion or head-rest.

The sides of the leg-rest frame F are provided with lugs Y, upon which slides the foot-rest frame Z, the sides A′ of which have slots B′, enabling it to be adjusted at the proper position, according to the length of the legs of the individual occupying the chair. The sides A′ of the foot-rest have perforations C′, and they are made sufficiently elastic to be easily adjusted over studs D′ upon the sides of the leg-rest frame, thus retaining the foot-rest in position.

The uprights P, supporting the front ends of the arm-rests, are provided with sockets E′, in which a light wire frame or bracket, F′, may be adjusted, as shown, to support a lap-board, G′, having a transverse cleat, H′, upon its under side, said lap-board forming a convenient reading-desk. It may also be placed transversely across the arms of the chair to form a convenient table or waiter. By using a larger bracket in lieu of F′, and a similar one, I′, at the head of the back-rest frame, a mosquito-net may be placed over the occupant of the chair, who is thus protected from disturbance by flies and other insects.

My improved chair-frame may be upholstered with permanent or removable cushions. It is preferably made of wrought-iron, and is therefore light, durable, and clean. It may be readily adjusted to a variety of comfortable positions, and it may, considering its advantages, be constructed at a reasonable price.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the seat-frame, having pivoted uprights P P and hinged back-rest frame, the arm-rests Q, pivoted to said uprights and back-rest, and having brackets R, carrying bell-crank levers S, and the pivoted rods T, connecting said levers with ratchet-bars D, pivoted to the sides of the back-rest frame, and engaging brackets E, substantially as set forth.

2. The combination, with the hinged leg-rest frame having lugs Y and studs D′, of the foot-rest having slotted elastic sides, provided with perforations C′, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JACOB FREDRICK WARNER.

Witnesses:

ORVILLE T. CHAMBERLAIN,

CHARLES S. HENDERSON.