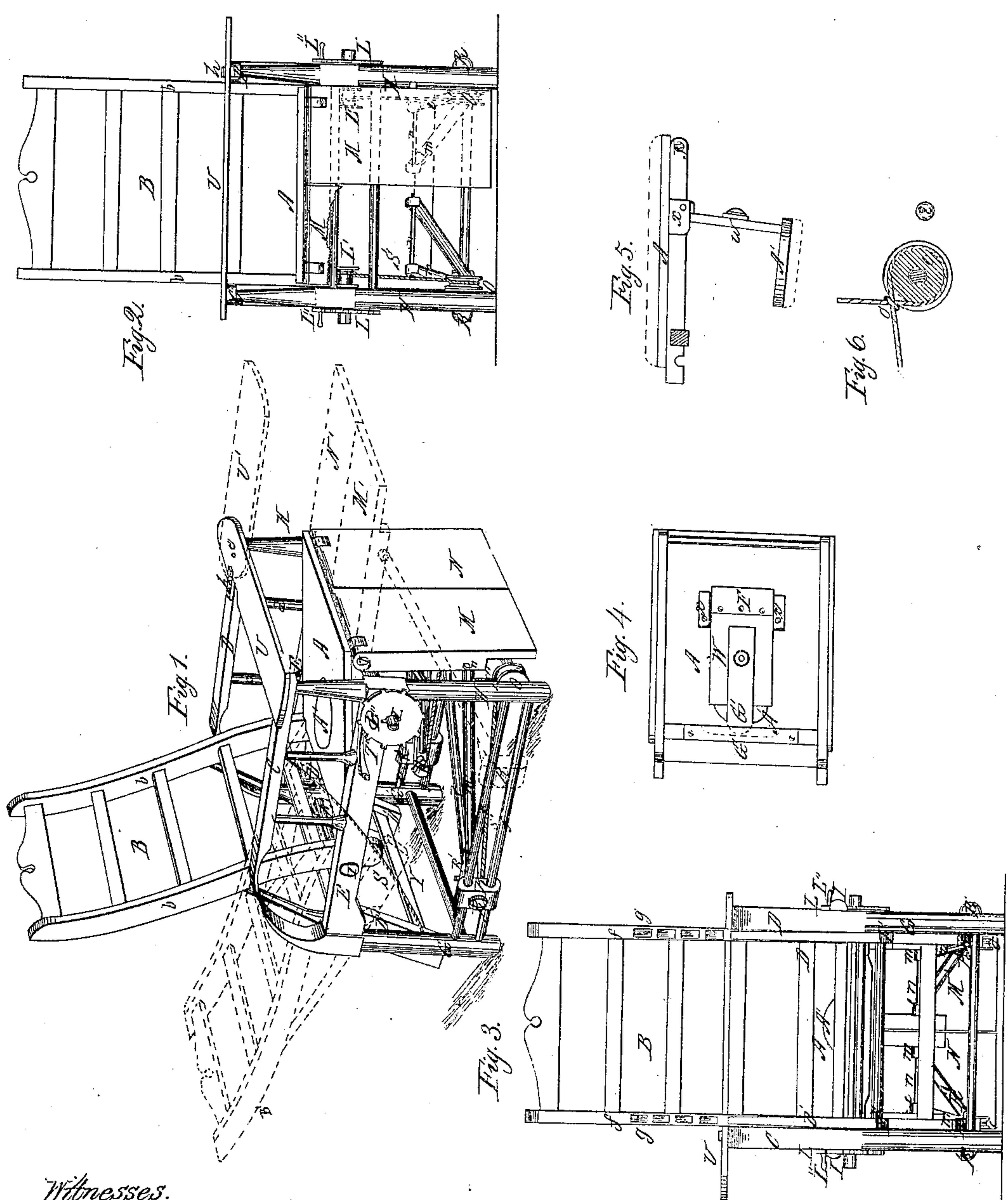


C. MESSENGER.
CHAIR FOR INVALIDS.

No. 30,149.

Patented Sept. 25, 1860.



Witnesses.
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CHARLES MESSENGER, OF WARREN, OHIO.

CHAIR FOR INVALIDS.

Specification of Letters Patent No. 30,149, dated September 25, 1860.

To all whom it may concern:

Be it known that I, C. MESSENGER, of Warren, in the county of Trumbull and State of Ohio, have invented new and useful Improvements in Invalid-Chairs; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a view of the front of the chair. Fig. 3 is a view of the back part of the chair. Figs. 4 and 5 are detached sections.

Like letters denote like parts in the different views.

The nature of my improvement relates to a chair constructed with an adjustable back, that can be raised or lowered; also an adjustable table in front, on which to place food, or to write on, that can be moved out of the way when not in use. There are two lids turned down in front, one or both of which can be raised, and are very necessary in case of broken limbs. The arrangement too, for using the vessel is very convenient.

In the drawings A, represents the seat of the chair, B, the back and C, D, the arms. The arms are connected to the frame E, by the rounds *c*, *d*, and are joined to the posts G, H. The two sides *b*, *b*, of the back B, are attached to the frame E, by the pins I, on which they move and by means of which the back can be lowered, as indicated at B', Fig. 1, or inclined in any desired position, and kept there by the brace Y, that consists of two pieces D', connected together by two bars. There are slots in the pieces D', that move and rest on a rod in the back part of the frame, as shown at E', Figs. 1 and 3. The upper ends of D', are placed in slots, in the underside of the pieces *b*, *b*, as shown at *g*, Fig. 3. This brace being heavier at the lower end, it will retain a vertical position, when not in use, and by means of a cord S, attached to the round, *d*, and to the lower part of the brace, the invalid can by pulling this cord raise or lower the back at pleasure.

U, represents the table in front that is connected to the arm D, by the pin, *c'*, on which it moves, *h*, being a guide, and when not in use it can be turned out of the way, as indicated at U', Fig. 1.

The back end of the seat A, is supported, by means of the frame underneath resting

on a rod, in the lower part of the back, so that when the back is depressed, the seat will be elevated. The front part of the seat is supported by a rod between the posts H. 60

M, and N, represent the lids, the upper ends of which articulate on the rod J, and they are connected to the seat by the rod J, passing through the sides of the lids and the frame underneath the seat. The lid M, can be raised by turning the ratchet wheel L, that is connected to a pulley L', Fig. 2, the cord S', being secured to this pulley, and passing around the pulley O, is attached to the slide R, that moves on the guides *e*, *f*. 65 To the wrist R', of the slide R, is secured the arms or rods *l*, *m*, the rods, *n*, Figs. 2, and 3, on which they articulate, connecting them to the lids. Turning the ratchet wheel L, by the handle L'', turns the pulleys and consequently moves the slide R, along on the guides, *e*, *f*, until the lid M, is in the position indicated at M', Fig. 1, when the pawl T, can be placed on the ratchet wheel, retaining it there. By reversing the motion of the wheel L, the lid can be lowered. By an arrangement entirely similar, the lid N, can be raised, as indicated at N', Fig. 1. 70 75 80

Fig. 4, represents the under side of the seat, showing the arrangement for using the vessel, that consists of a piece W, being jointed at one end to the piece A', of the seat, to the other end is screwed the piece F, each end of which is formed into a pin, that turns in the lugs *x*, *x*. The piece W, together with A', is kept in place by means of the button G', being secured to the piece W, the end of which passes into a slot of the frame, as indicated at G''. In using the vessel the button G' is removed from the slot and the piece W, is turned down, as shown in Fig. 5, the piece A', is then let down on which the vessel can be placed. 85 90 95

The chair can be upholstered in the usual manner, but the seat A, and the piece A', must be upholstered separately, to admit of the dropping of the piece A', as described. The cushion will therefore be upon the under side of A', when in the position shown in Fig. 5, as indicated by the dotted lines. When the piece A', is folded upon the piece W, and the whole returned to its position, Figs. 1, and 4, the cushion of A', will be even with the cushion of A. 100 105

In raising and lowering the lids M, N, the cord S', is secured to the pulley L', then it passes through the ring O', and around the 110

pulley O, and again through the ring O', as seen in Fig. 6, (which prevents the cord from slipping off, from the pulley O) and thence to the slide R, which it operates as
5 previously described.

What I claim as my improvement, and desire to secure by Letters Patent, is—

1. The seat A, movable piece A', support W, and button G, when these parts are con-

structed, arranged, combined and operated 10 as set forth.

2. The lids M, N, slides R, cord S', pulleys L', and ring O', when these parts are constructed, arranged and operated as specified.

CHARLES MESSENGER.

Witnesses:

GEO. B. YOUNG,

GEO. F. BROWN.