

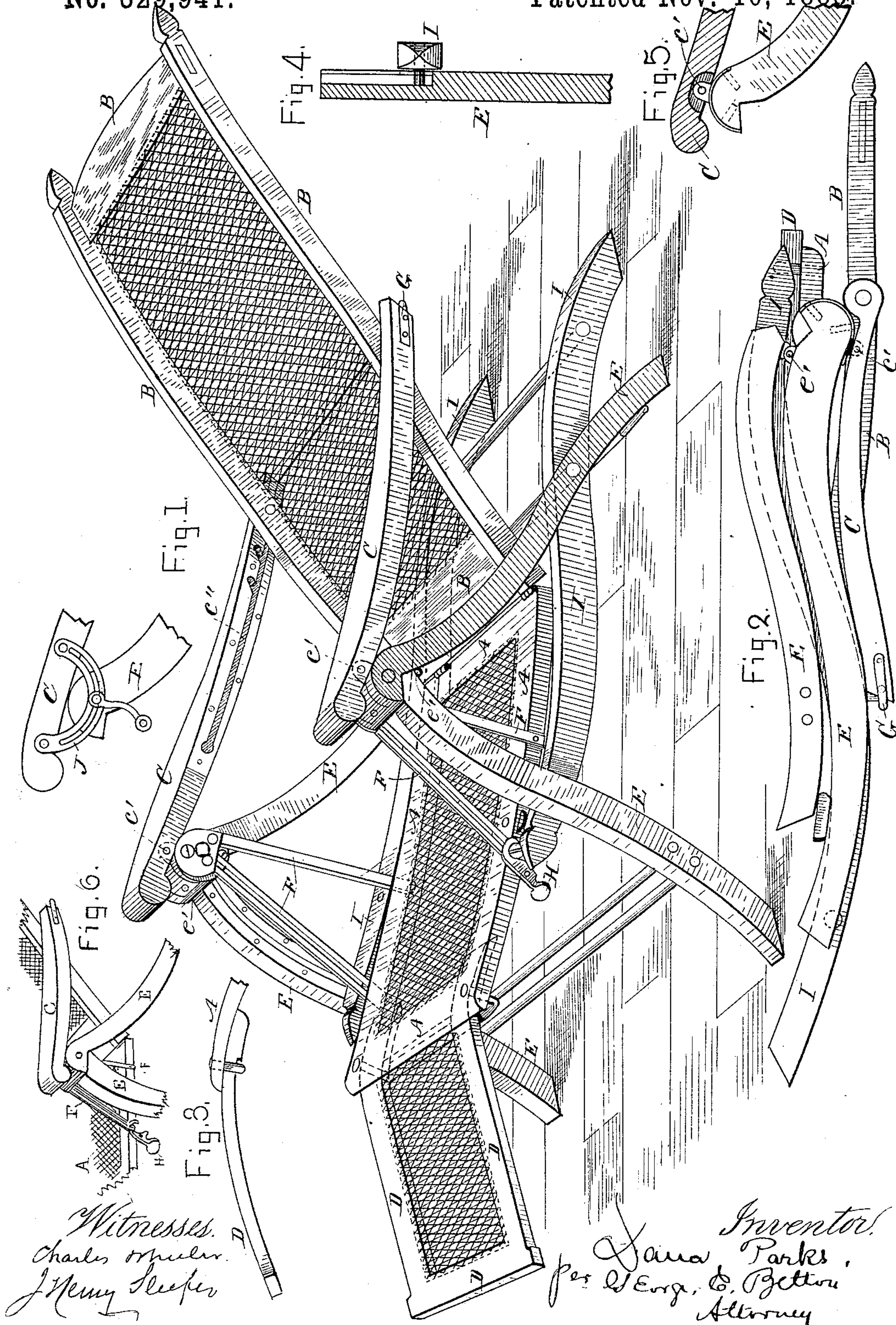
(No Model.)

D. PARKS.

STEAMER, LAWN, AND INVALID CHAIR.

No. 329,941.

Patented Nov. 10, 1885.



UNITED STATES PATENT OFFICE.

DANA PARKS, OF BOSTON, MASSACHUSETTS, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE KENSINGTON CHAIR COMPANY, OF PORTLAND, MAINE.

STEAMER, LAWN, AND INVALID CHAIR.

SPECIFICATION forming part of Letters Patent No. 329,941, dated November 10, 1885.

Application filed November 17, 1884. Serial No. 148,179. (No model.)

To all whom it may concern:

Be it known that I, DANA PARKS, of Boston, county of Suffolk, and Commonwealth of Massachusetts, a citizen of the United States, residing at said Boston, have invented a new and useful Improvement in Self-Leveling Steamer, Lawn, and Invalid Chairs, of which the following is a specification.

Before my invention steamer-chairs have been usually made to fold simply, and were not capable of automatic adjustment. By my improvement the weight and movement of the body of the person occupying the chair operates to adjust the position of the chair to suit that part of the body requiring rest.

In the drawings, Figure 1 is a perspective view of my chair. Fig. 2 is a side elevation of the chair folded. Fig. 3 is a side elevation of foot-rest. Fig. 4 is a section of front leg, showing slot and pin. Fig. 5 is a section of arm, eye, and pivot. Fig. 6 is a reduced perspective view of part of the chair, showing it constructed without the frame-legs I.

A is the seat-frame; B, the back-frame; C, the arms; D, foot-rest; e' , arm, eye, and pivot. E are the frame-legs hinged at e' . F F are the hangers pivoted at the apex of the frame E. e'' is the slot in the arm with its channels. G is the rod attached to the ends of the arms to keep back and arms in place. H is the lock at the lower end of the slot in the front hanger to keep the seat in place and prevent the sinking of the inner end of the seat. I is the opening or closing frame-leg having a pin traversing in a slot in the front leg, used in folding or opening the frame.

I prefer, however, to make the chair more compact, to omit the opening and closing frame-leg I with its pin, and also the slot in the front leg, as the chair can be supported, opened, and closed equally well without them.

I make my chair with the seat, back, foot, and arms independent in their motion of the frame. The chair is supported by two hangers, F F, on each side, pivoted to the apex of the frame E. The front hanger is slotted to allow folding and opening. The back hanger, F, is vertical, and serves to support, together with the front

hanger, the weight of the body, the front hanger also acting as a guide in folding or opening. Slots extending the length of the arms inside e'' , in which a pin in the frame of the back B travels, allows adjustment of the back at any angle with the seat desired. Channels in the arms-slots serve by receiving the said pin to fasten the back at the desired position. The said slots also allow that part of the chair to be folded or opened. When folded, the chair may be strapped to a trunk as a parcel of baggage. A foot-rest, D, slides in or out under the seat, and a wheel-guide inserted in the side of the seat-frame serves to prevent friction against the arm I. The back and seat are hinged together, so that they may be placed at any angle relative to each other to afford desired ease and support to the body and back, and also aid in folding and opening. The frame E is hinged at the top or apex e' , and rods extending across the frame strengthen and support it.

If any person is seated in the chair or reclining at full length, as upon a bed, and is desirous of changing his position, by the simplest movement of the body the chair automatically assumes the desired position without the aid of any gearing or complicated mechanism, doing away with the labor attending the use of ordinary steamer, invalid, or reclining chairs.

The hangers of the seat and body of the chair are made and attached to the frame separately, but operating together and move simultaneously with the arms, also attached to the frame E, by a pin passing through an eye inserted into the apex of the stationary frame E. A rod is attached to the ends of the arms to keep the back and arms in place. A lock, H, at the lower end of the slot of the front hanger, is used to keep the seat in place and to prevent the sinking of the inner end of the chair.

A headed bolt with a screw-threaded end passes through the apex of the frame E on either side of the chair, the threaded end passing through a curved slotted piece of metal attached to the arm and frame, and a crank-

lever, also threaded attached, to said threaded end of the bolt, serves by turning to tighten and fasten the chair at any desired position.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a steamer, lawn, or invalid chair, the combination of the hangers attached as described with their locks, the arms pivoted, slotted and channeled, the hinged seat and back, the adjustable sliding foot-rest with the hinged frame capable of being folded and

opened, all constructed as described, as and for the purpose set forth.

2. In a steamer, lawn, or invalid chair, the combination of the hangers attached as described, with their locks, pivoted arms slotted, the hinged seat and back, with the hinged frame, all constructed as described, as and for the purpose set forth.

DANA PARKS.

In presence of—

GEO. E. BETTON,

CHARLES WHEELER.