

T. S. BINKARD.
Invalid-Chair.

No. 219,844.

Patented Sept. 23, 1879.

Fig. 1.

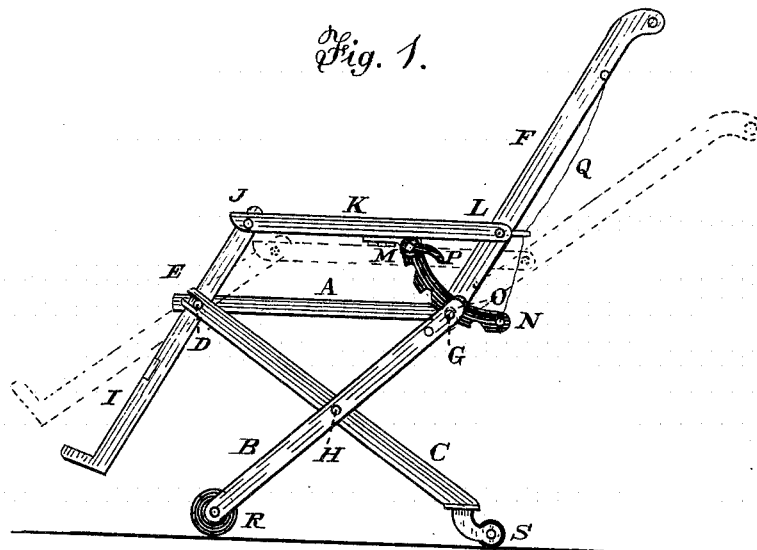
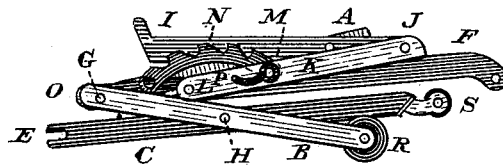


Fig. 2.



Attest.

Walter Knight
L. Knight

Inventor.

Thomas S. Binkard
By Knight Bros. Atty.

UNITED STATES PATENT OFFICE.

THOMAS S. BINKARD, OF URBANA, OHIO, ASSIGNOR OF ONE-HALF HIS
RIGHT TO LEWIS C. HOVEY, OF SAME PLACE.

IMPROVEMENT IN INVALID-CHAIRS.

Specification forming part of Letters Patent No. **219,844**, dated September 23, 1879; application filed
June 3, 1879.

To all whom it may concern:

Be it known that I, THOMAS S. BINKARD, of Urbana, Champaign county, Ohio, have invented a new and useful Improvement in Folding Invalid-Chairs, of which the following is a specification.

My chair is constructed in such a manner as to combine capacity for assuming an erect or any recumbent form and capacity of easy removal from place to place with that of being folded into very compact dimensions for convenient stowage or transportation.

In the accompanying drawings, Figures 1 and 2 are side elevations of my chair in its open and its folded conditions, respectively.

Pivoted at G to the side of the seat A, near its rear, are the front legs, B, to which are pivoted at H, at or near their mid-length, the rear legs, C, so that when in use the two sets of legs cross each other in the form of the letter X. Projecting from the sides of the seat near its front portion, are pivots D, on which engage the forked upper extremities, E, of the rear legs, C.

The lower ends of the chair-back F are perforated, so as to engage over the same pivots, C, which secure the front legs. The pivots D also occupy orifices in a swinging frame, I, whose lower portion constitutes a leg-rest, and whose upper portions rise sufficiently above the seat for pivotal attachment at J of arm-rests K, whose rear extremities are pivoted to the chair-back at L.

Pivoted to each arm at M is a gravitating rack, N, which, dropping into a fork or crotch, O, on the upper extremity of the front leg, engages the pivot G, so as to hold the back, the arms, and the leg-rest at the erect position

represented by full lines in Fig. 1, or to any reclining position, such as shown by dotted lines in the same figure.

The pivot M may occupy a journal-box underneath the arm, as in Fig. 1, or may be journaled in the substance of the arm, as in Fig. 2.

Levers P, extending from the rack-hubs, or a cord, Q, connected with their free extremities, enable the racks to be disengaged from the pivots G, for lowering the chair-back.

The lower extremities of the front legs being provided with wheels R, and of the rear legs with casters S, make it applicable for use as an invalid-chair.

In order to bring the chair to the compact condition shown in Fig. 2 it is only necessary to disengage the crocheted extremities E of the rear legs, C, from the front pivots, D, and then to fold the legs against the rear and the seat and leg-rest against the front side of the chair-back, as shown in Fig. 2.

The two sides of the chair being absolutely identical in structure, one side only is represented in the drawings.

I claim as new and of my invention—

The combination of the crossed legs B C, the latter forked at its upper extremity, the seat A, back F, arms K, leg-rest I, and gravitating rack N, the parts being united by and operating upon the pivots G H D J L, in the manner and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

THOMAS S. BINKARD.

Attest:

L. C. HOVEY,
GEO. H. KNIGHT.