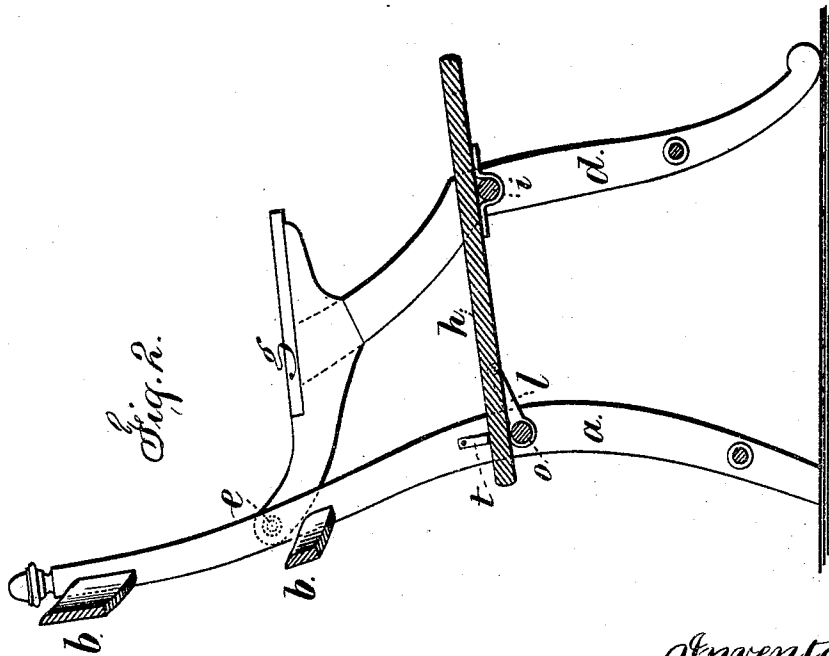
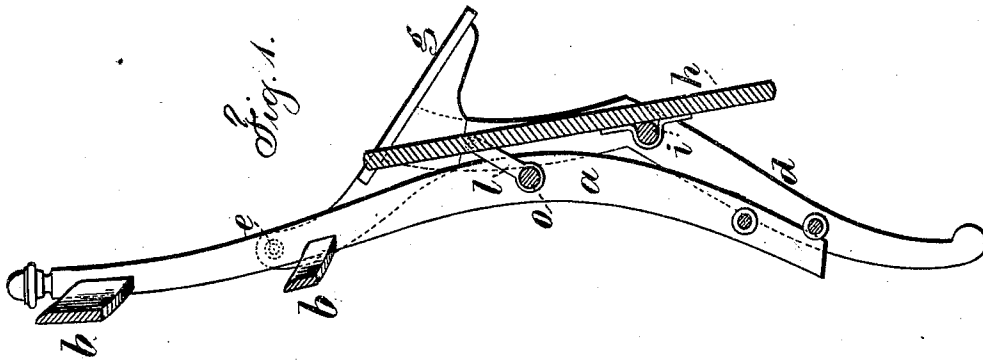


E. W. VAILL
FOLDING CHAIR.

No. 179,978.

Patented July 18, 1876.



Witnesses

Chas. H. Smith
Harold Perrell

Inventor.

Edward W. Vaill
per Lemuel W. Perrell
[Signature]

UNITED STATES PATENT OFFICE.

EDWARD W. VAILL, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN FOLDING CHAIRS.

Specification forming part of Letters Patent No. **179,978**, dated July 18, 1876; application filed May 18, 1876.

To all whom it may concern:

Be it known that I, EDWARD W. VAILL, of Worcester, in the State of Massachusetts, have invented an Improvement in Folding Chairs, of which the following is a specification:

This improvement applies to that class of chairs in which the back legs and back are formed in one frame, and the front legs are pivoted directly to the back legs, as in the patent of P. Born, reissued December 21, 1875.

My present invention consists in the combination, with the frame forming the back and back legs and the pivoted front legs, of a seat that is pivoted to the front legs, and links or hinges connecting the seat to the back-frame, whereby the back of the chair-seat is raised and swings upwardly in folding the chair, and the weight of the seat serves at all times to prevent the chair folding while being used or moved from place to place.

In the drawing, Figure 1 is a vertical section of the chair in its folded position, and Fig. 2 is a similar view with the chair open for use.

The back legs *a* extend up to form the back-frame. There are cross-pieces *b*, forming the back-rests or receiving the upholstery or ornamental back. The front legs *d* extend above the seat *h*, and are pivoted at *e* to the back legs *a*, similar to those in the said Born patent. There may be arm-rests *g*, if desired.

Instead of the seat being hinged or pivoted to the back legs, as in said patent, it is pivoted or hinged to the front legs, or the bar

connecting said front legs, either by pivot-pins or screws at each side, or by the loops at the under side of the seat, which pass around the cross-rail *i*, so that it can be swung thereon, the back edge turning up and the front edge turning down. The links *l* or hinges extend from the seat or seat-frame to the back. They are pivoted at their forward ends to the chair-seat, at or near the under side thereof, and the other ends are connected to the back legs, either directly or by the cross-rail *o*.

When the chair is folded the front edge of the seat or seat-frame turns downward and the back edge swings upward, and the front legs close against the back legs, as seen in Fig. 1.

A latch or catch may be applied at the junction of the back legs and seat, to prevent the chair folding backwardly by pressure upon the front edge of the seat, as seen at *t*, Fig. 2.

I claim as my invention—

The seat *h*, pivoted or hinged to the front legs or cross-bar, and the links *l*, uniting the seat to the back legs, in combination with the front legs, extending above the seat and connected to the back legs, substantially as set forth.

Signed by me this 11th day of May, A. D. 1876.

E. W. VAILL.

Witnesses:

O. S. GORDON,
E. L. GATES.