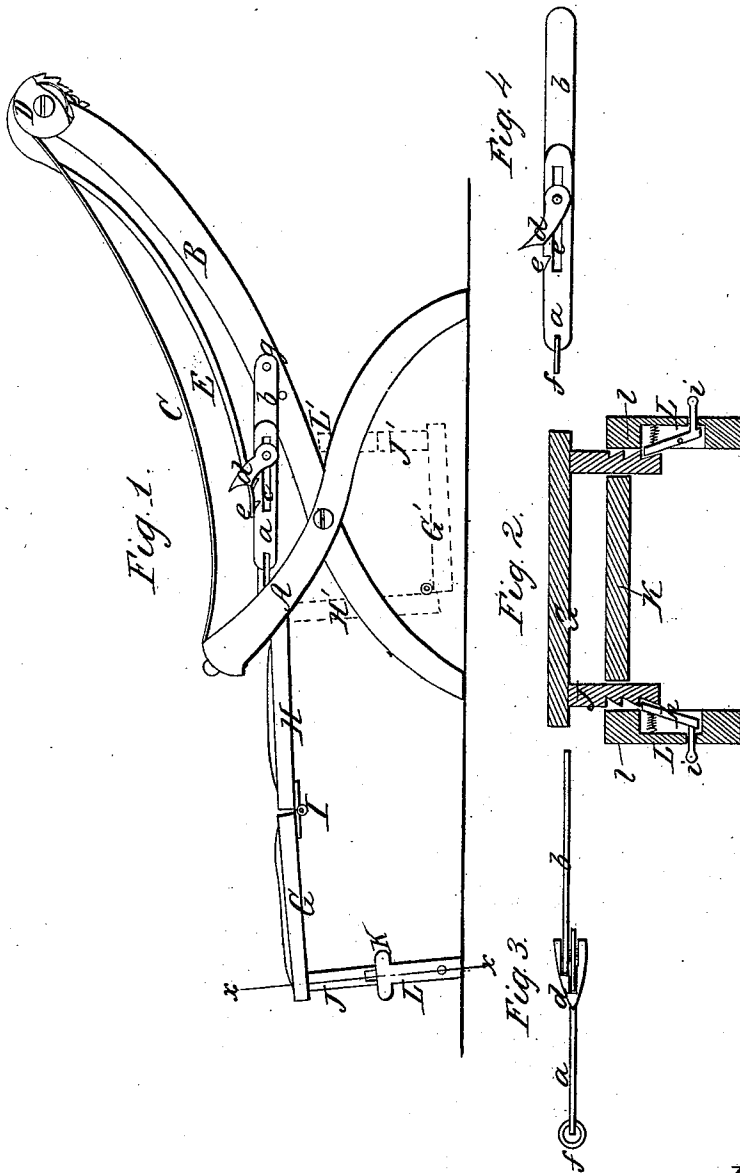


B. H. Zinn,

Invalid Chair.

N^o 76,577.

Patented Apr. 7, 1868.



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BERNHARD H. ZINN, OF NEW YORK, N. Y.

Letters Patent No. 76,577, dated April 7, 1868.

IMPROVED EXTENSION-CHAIR.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, BERNHARD H. ZINN, of the city, county, and State of New York, have invented a new and improved Extension-Chair; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my improved chair.

Figure 2 is a section of the same through the line *x x*, fig. 1.

Figure 3 is a top view of the ratchet-links and catch.

Figure 4 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide an extension-chair, of such simplicity of construction that it can be afforded at a comparatively small price. It consists of the folding foot-rest and ratchet-links, together with other devices, perfecting the whole, as will hereinafter be more fully set forth.

In the accompanying plate of drawings, an ordinary X-chair, composed of the crossed and pivoted parts A B, is shown, provided with the ratchet-links *a b*, one of which is slotted, as shown at *c*, and both lap or pass beyond each other, as shown.

A catch-plate, *d*, is pivoted to the link *b*, the pivot-bolt passing through the link *b* and the slot of the link *a*, and also through the lugs forming the lower end of the catch-plate, which latter is set astride of the two links, as shown. This device enables the parts A and B to be adjusted at any angle within the limits of the slot *c*.

When the chair is to be adjusted to bring the parts A and B more vertical, the weight of the catch-plate causes it to catch against the ratchet-teeth *e e*, on the plate *a*, and when the parts A and B are to be adjusted to a more horizontal position, the catch-plates are lifted by the sitter, and the parts fall open to a position suitable for reclining.

The arm-strap C is lengthened or shortened by the ratchet-roller D, as shown. The cloth or other flexible seat is shown at E.

The foot-rest is composed of the padded or cushioned boards G H, which are hinged together, as shown at I. The part H is hinged to a cross-brace, connecting the two parts A A of the chair.

The legs J are affixed rigidly to the part G of the foot-rest, and are provided with an extension-device, for the purpose of raising or lowering the foot-rest to suit the sitter's position.

The said extension-device consists of the legs L L, connected by the cross-piece K, which latter is provided with holes, to permit it to slide up and down on the legs J J, as shown.

Spring-catches *h h*, pivoted within a recess in the legs L L, catch upon notches *l l*, as shown, for the purpose of holding the legs L L at different points of their extension. Projections *i i*, withdraw the catches *h h* from the notches, when the part G is to be lowered.

When the foot-rest is not wanted, it is doubled under the seat, as shown at H' G' J' L', and is thus placed out of the way.

The links *a* and *b* are attached to the parts A and B by an eye-bolt, *f*, and pivot-bolt, *g*, respectively.

Thus my invention provides an extension-chair which is simple, durable, and cheap, and not likely to get out of repair.

I claim as new, and desire to secure by Letters Patent—

1. The links *a* and *b*, and catch *d*, substantially as shown and described, in combination with the parts A and B of an X-chair, all as and for the purpose set forth.

2. The extension-legs L L K, ratchet-legs J J, and spring-lever *h h*, substantially as and for the purpose shown and described, in combination with the hinged foot-rest G H and parts A B of an X-chair, all as set forth.

The above specification of my invention signed by me, this 13th day of February, 1868.

BERNHARD H. ZINN.

Witnesses:

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