

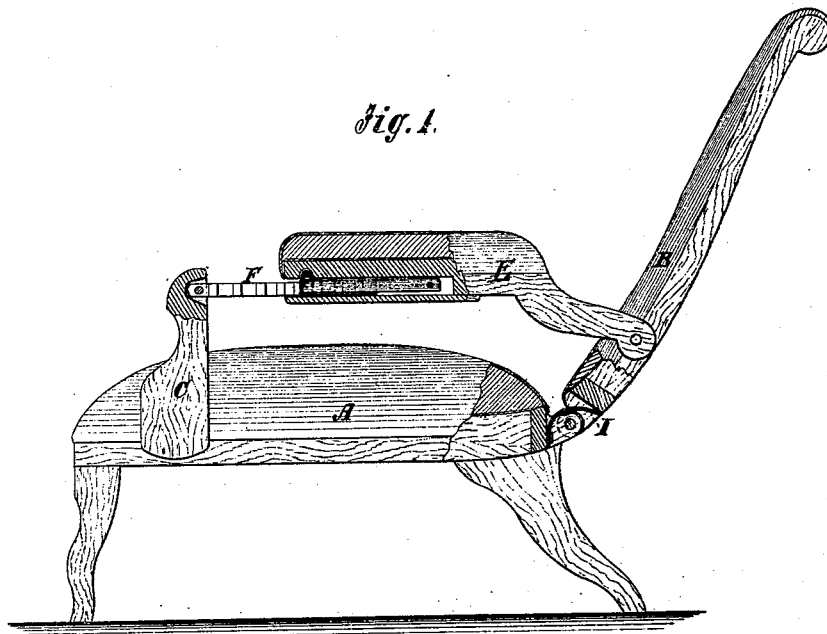
*E. Bartels,*

*Invalid Chair.*

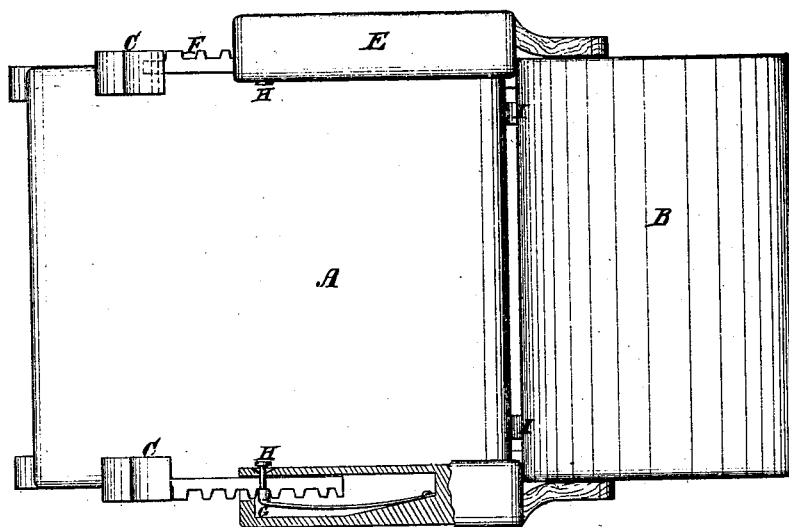
*No. 108750*

*Patented Nov. 1. 1870.*

*Fig. 1.*



*Fig. 2.*



**Witnesses:**

*A. Bennevent  
L. S. Mabee*

**Inventor:**

*E. Bartels*

**PER**

*Munn & Co*

**Attorneys.**

# United States Patent Office.

EMIL BARTELS, OF NEW YORK, N. Y.

Letters Patent No. 108,750, dated November 1, 1870.

## IMPROVEMENT IN RECLINING-CHAIRS.

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, EMIL BARTELS, of the city of New York, in the county and State of New York, have invented new and useful Improvements in Reclining-Chairs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The purpose of my invention is to improve upon the reclining-chair patented to Hardy, December 11, 1860.

I will first describe my invention in connection with all that is necessary to a full understanding thereof, and then point it out in the claim.

Figure 1 is a sectional elevation of my improved chair, and

Figure 2 is a plan view of the same.

Similar letters of reference indicate corresponding parts.

A is the chair-seat, which may be of any approved kind.

B is the back, which is hinged to the rear of the seat.

C are the strong posts rising up from the front of the seat.

The arms are made in two parts, E and F, the former being hollow and jointed to the block, and the latter being jointed to the posts, and sliding in and out of the parts E.

The said parts F have notches in one side, and the

parts E are provided with the spring catches G, for engaging the notches of F and holding the back B high or low, according to the adjustment of the said parts.

The spring catches have push-pieces, H, attached to them, and they are arranged so that, by pushing the said pieces inward, the catches will be disengaged from the notches, to allow the back to be lowered.

The back may be raised by the hands grasping the parts E of the arms and pushing forward; at the same time the thumbs are applied to the push-pieces to disengage the catches.

In connection with the above I propose to apply springs, I, to the bottom of the back, as shown, or in any other equivalent way, to assist in raising the back.

Having thus described my invention,

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

1. The self-raising spring back I B, hinged to the seat, and applied to the arms E F, as and for the purpose described.

2. The push-pieces H, combined with the spring catches G, hollow jointed part E, and sliding notched part F, as and for the purpose described.

The above specification of my invention signed by me this 27th day of August, 1870.

EMIL BARTELS.

Witnesses:

W. C. POPPENDIECKE,  
GEO. W. MABEE.