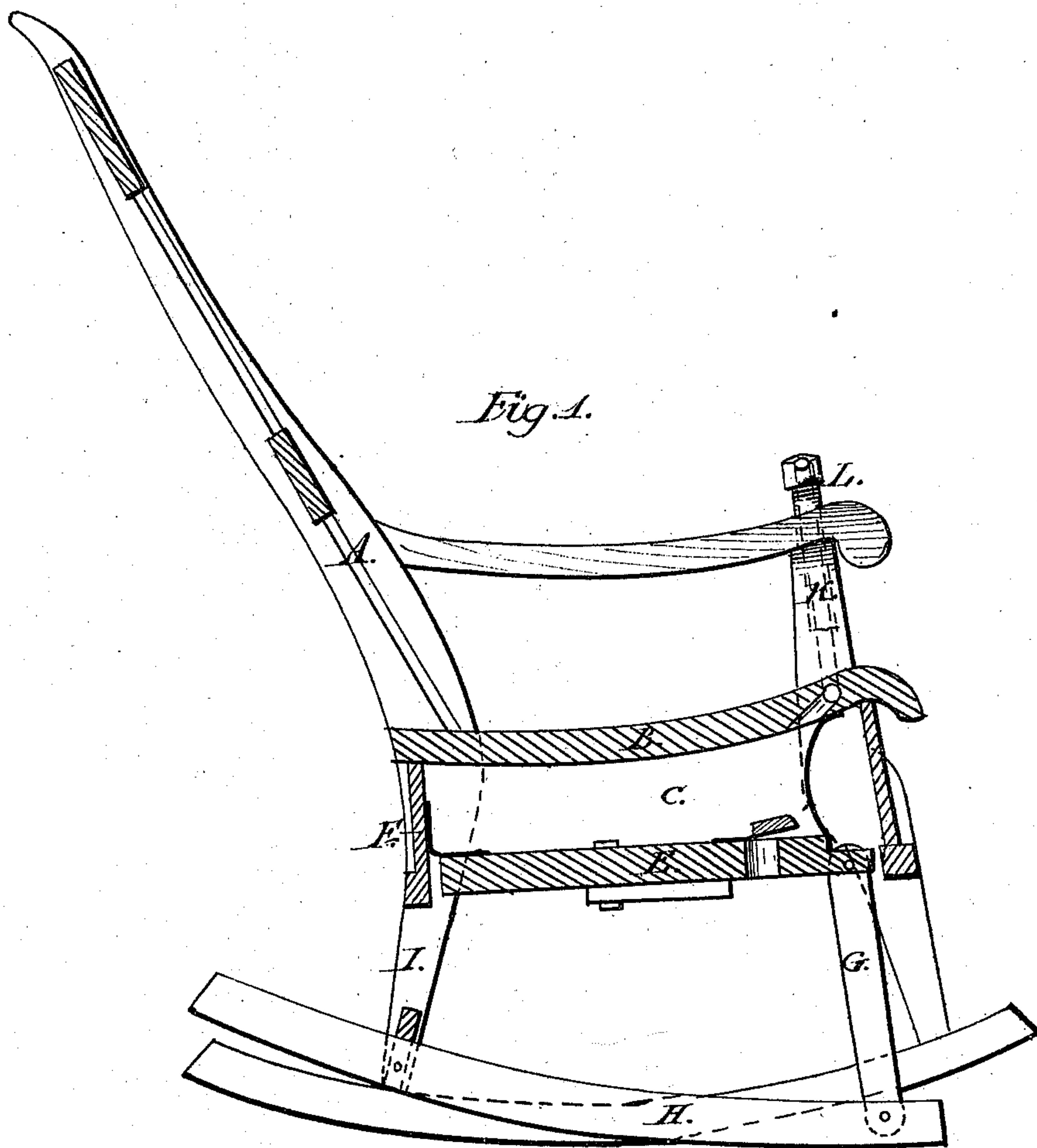


C. J. Graf,
Rocking Chair.

No. 89760.

Patented May 4. 1869.



Witnesses:
L. Hailer
P. J. Dodge

Inventor:
Carl Julius Graf
by Dodge & Munroe
his attys



CARL JULIUS GRAF, OF CHICAGO, ILLINOIS.

Letters Patent No. 89,760, dated May 4, 1869.

IMPROVED ROCKING-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, CARL JULIUS GRAF, of Chicago, in the county of Cook, and State of Illinois, have invented certain new and useful Improvements in Rocking-Chairs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention relates to rocking-chairs, and consists in attaching to the under side of the seat a bellows, having its lower side hinged, and connected by a rod to an arm, pivoted and arranged in such a manner as to operate the bellows as the chair is rocked, and force a current of air through a hole in the side-bracket, whence, by means of an elastic pipe, it may be conducted where desired.

The drawing, Figure 1, represents a vertical section of a rocking-chair, with my devices attached.

To the under side of the seat B, of a rocking-chair, A, I attach a bellows, C, with its lower side E hinged at F; and to the front end of the hinged side of the

bellows, I pivot the upper end of a rod, G, and the lower end of the same rod, I pivot to an arm, H, which is pivoted to the cross-bar, or brace I, all as clearly shown in the drawing.

The interior of the bellows C, I connect in any suitable manner with a hole, or tube, K, in one of the side-brackets of the chair, as shown by the dotted lines.

To the upper end of the tube K, I attach a flexible pipe, or hose, L, to conduct the current of air where desired.

My device is operated by the rocking motion of the chair, which, as its front side rises and falls, gives motion to the lower side of the bellows, through the arm H and rod G, as shown in the drawing.

Having thus described my invention,

What I claim, is—

The bellows C, connecting-rod G, and arm H, in combination with a rocking-chair, A, having one of its side-brackets tubular, all constructed and arranged as herein described, for the purpose of sending a current of air through the tube L, as set forth.

CARL JULIUS GRAF.

Witnesses.

WM. H. LOTZ,
A. LIMBERG.