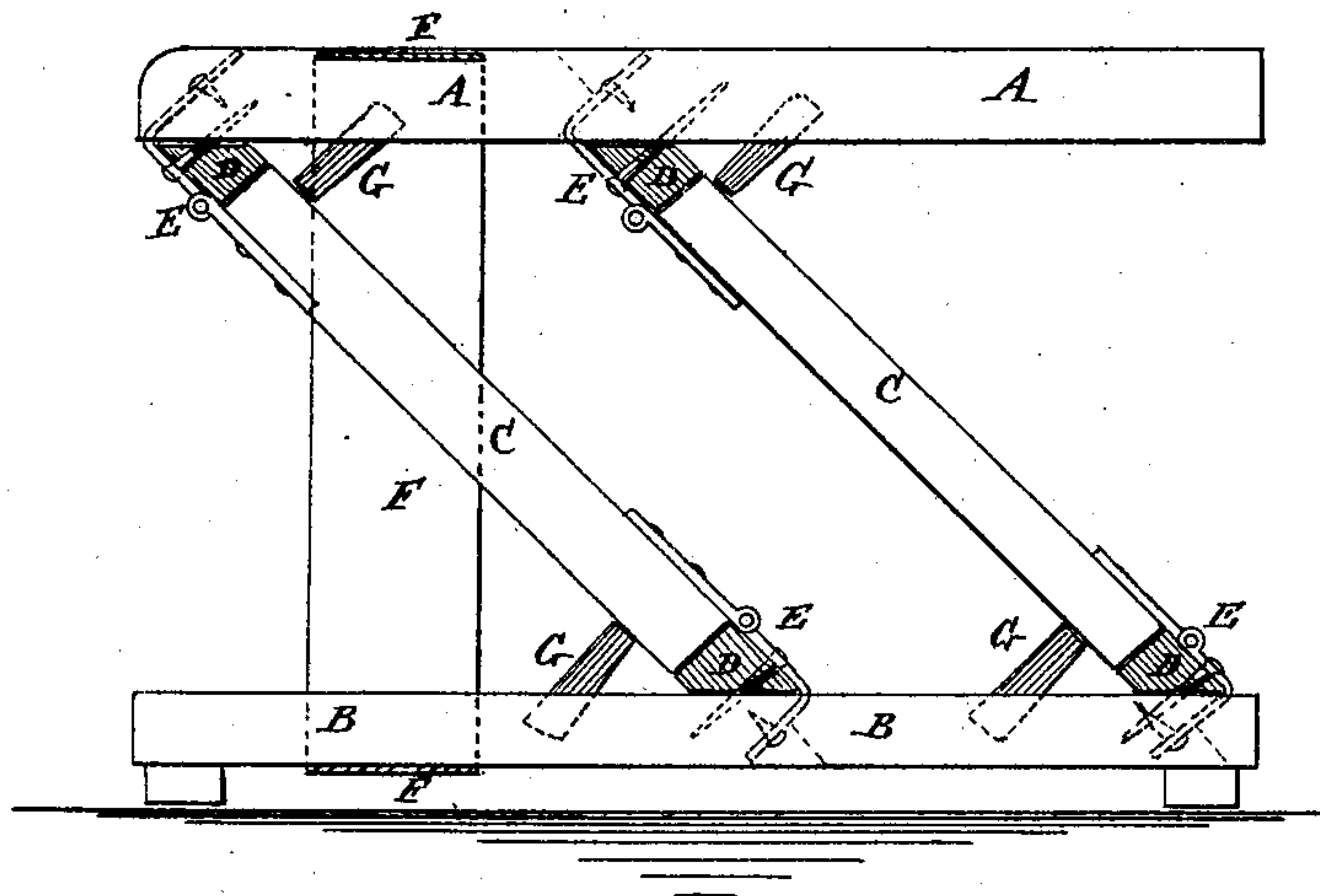


W. T. DOREMUS.

Spring-Seats for Chairs, Cars, &c.

No. 133,970.

Patented Dec. 17, 1872.



Witnesses:

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Inventor:

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PER

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UNITED STATES PATENT OFFICE.

WILLIAM T. DOREMUS, OF NEW YORK, N. Y.

IMPROVEMENT IN SPRING-SEATS FOR CHAIRS, CARS, &c.

Specification forming part of Letters Patent No. **133,970**, dated December 17, 1872.

To all whom it may concern:

Be it known that I, WILLIAM T. DOREMUS, of the city, county, and State of New York, have invented a new and useful Improvement in Spring-Seats for Chairs, Cars, &c., of which the following is a specification:

The figure is a detail side view of a chair-seat illustrating my invention.

My invention has for its object to furnish an improved spring-seat for chairs, cars, &c., which shall be simple in construction, strong, durable, very elastic, and not liable to get out of order; and it consists in a combination of elastic blocks or springs with inclined bars hinged at the top and bottom to the seat, and a bottom plate or frame, as hereinafter described.

A represents the seat of a chair or other article. B is a frame or plate, secured below the seat A to the frame-work of the chair. C are two or more blocks or bars, a little longer than the vertical distance between the seat A and plate or frame B. The bars or blocks C are placed in an inclined position, and have rubber blocks or other suitable springs D connected with their ends, and which rest against the seat A and plate or frame B, suitable seats or bearings for said springs D being formed in the said seat and plate or frame. The seat A, frame or plate B, blocks or bars C, and springs D, are connected together by hinges or other flexible connection, E, which should have sufficient strength to keep the said parts in their proper relative position, and

at the same time allow them to work freely. The seat A should be provided with stops to limit its upward movement, which stops may be lasting, webbing, or other suitable flexible material, F, connecting the seat A with the stationary frame or plate B. In the case of car and other seats, where practicable, the stops may be rigid and stationary, and may be attached to the frame-work about the seat A.

If desired, rubber or other springs G may be placed in the angle between the blocks or bars C and the seat A and frame or plate B, either or both, to assist the mainsprings when subjected to a greater weight.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of rigid bars C, elastic blocks D, and hinges E with the seat A and a plate, B, as shown and described, whereby the said blocks are compressed between the seat and plate by the respective ends of the bars C when pressure is applied, as specified.

2. The combination of the auxiliary springs G with the seat A, plate or frame B, blocks or bars C, springs D, and hinges E, substantially as herein shown and described, and for the purpose set forth.

WILLIAM T. DOREMUS.

Witnesses:

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