2 Sheets—Sheet 1.

# W. T. DOREMUS.

## CHAIR.

No. 179,537. Patented July 4, 1876.

*Fig. 1*

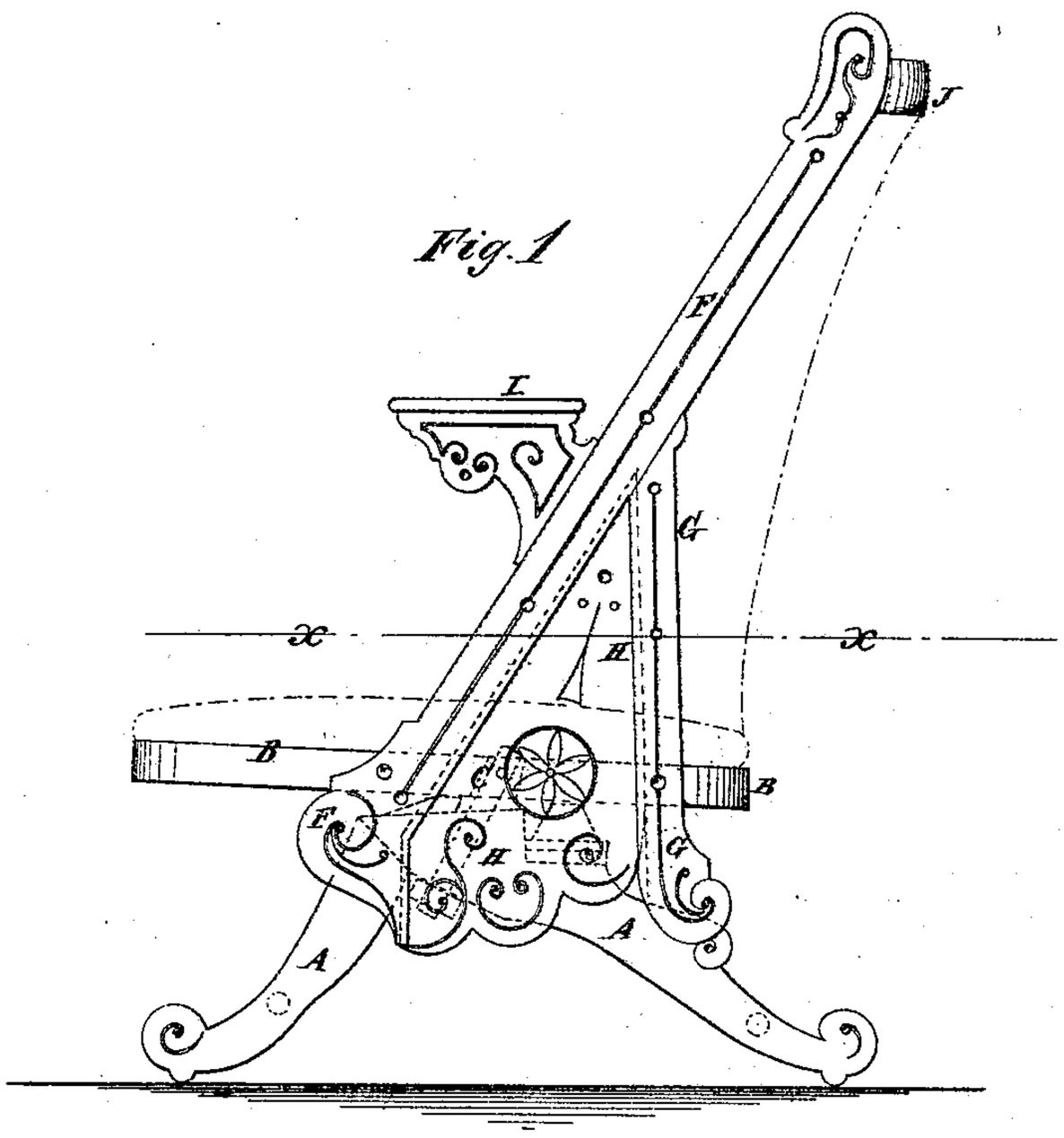



*Fig. 2*

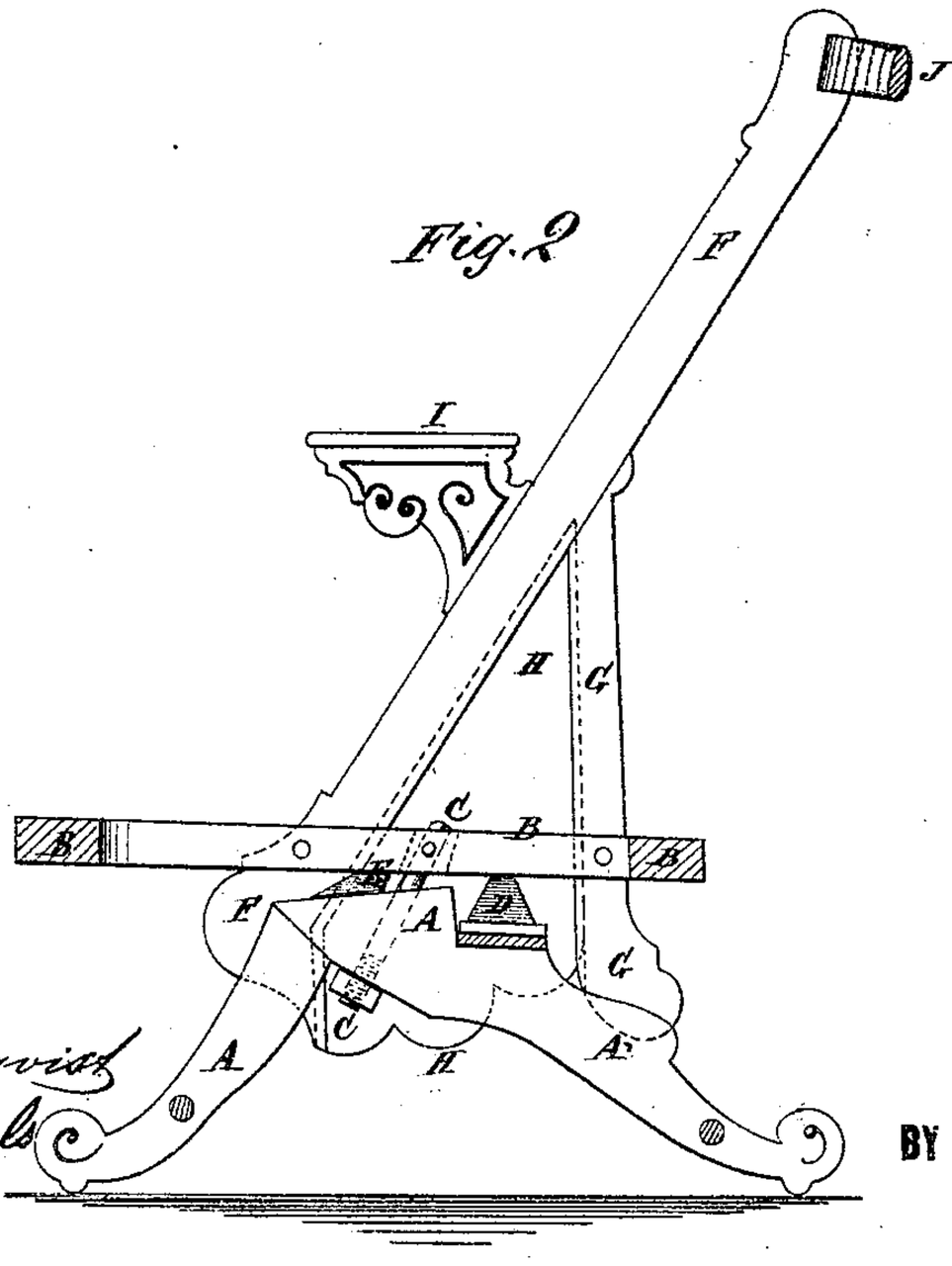
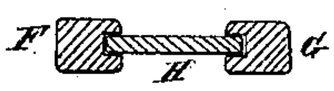



*Fig. 3*

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2 Sheets—Sheet 2.

# W. T. DOREMUS.

## CHAIR.

No. 179,537. Patented July 4, 1876.

*Fig. 4*

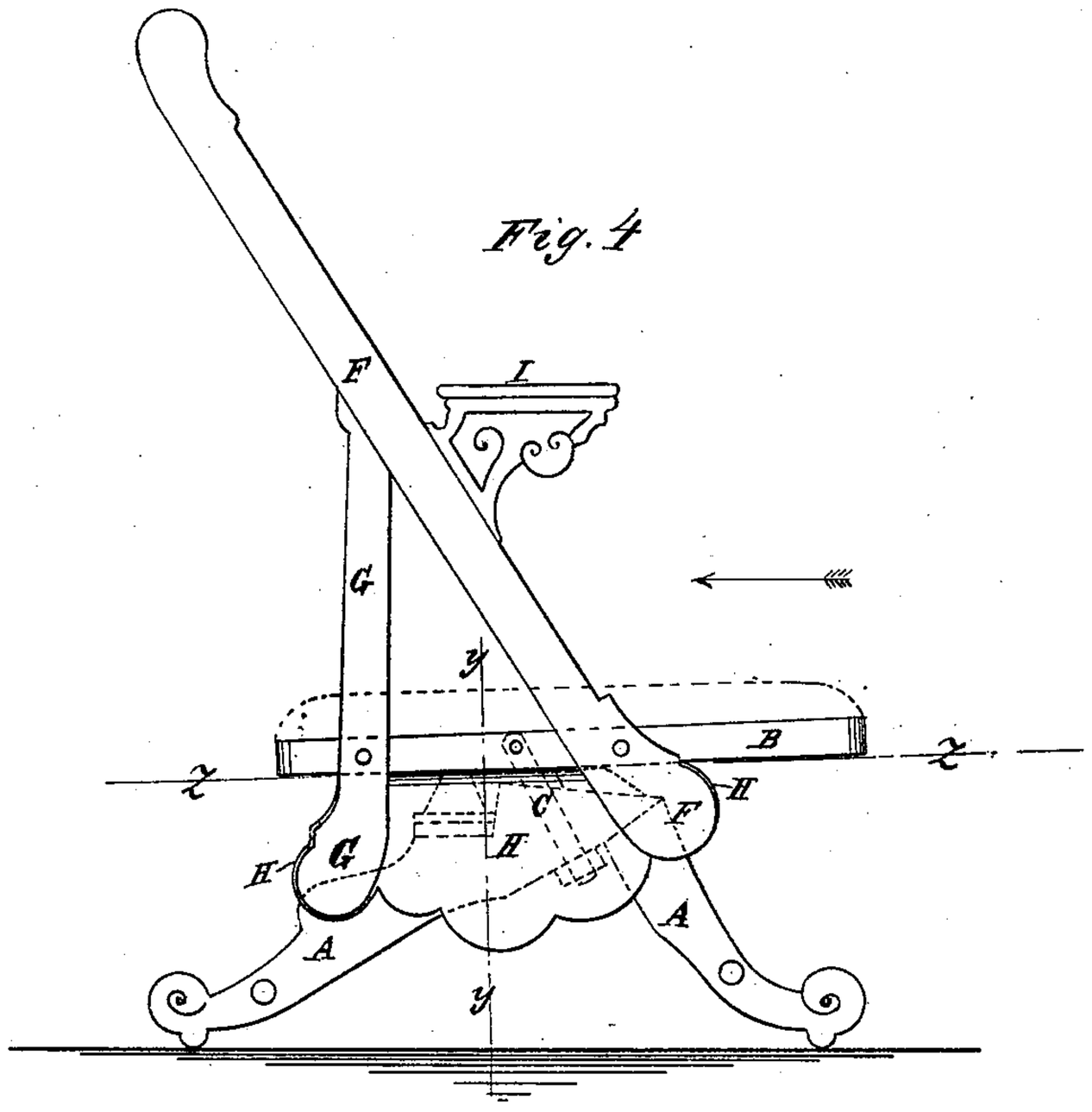



*Fig. 5*

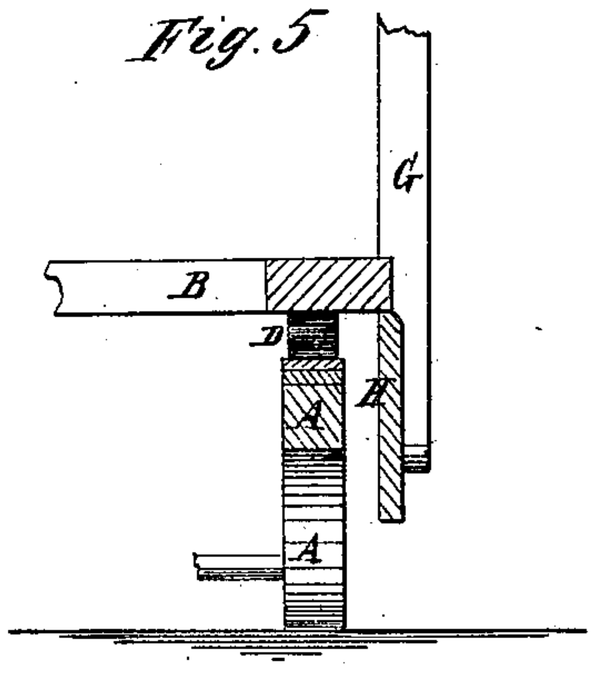
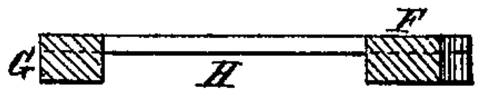



*Fig. 6*

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# UNITED STATES PATENT OFFICE.

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

## IMPROVEMENT IN CHAIRS.

Specification forming part of Letters Patent No. **179,537**, dated July 4, 1876; application filed March 25, 1876.

*To all whom it may concern:*

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

Figure 1, Sheet 1, is a side view of my improved chair. Fig. 2, Sheet 1, is a vertical section of the same. Fig. 3, Sheet 1, is a detail section through the line *x x*, Fig. 1. Fig. 4, Sheet 2, is a side view of a chair, showing a modification of the panel. Fig. 5, Sheet 2, is a detail horizontal section of the same, taken through the line *y y*, Fig. 4. Fig. 6, Sheet 2, is a detail vertical section of the same, taken through the line *z z*, Fig. 4.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved chair, the back frame of which shall be so constructed as to hide the springs and the devices by which the seat is connected with the pedestal.

The invention will first be described in connection with the drawing, and then pointed out in the claims.

A represents the base or pedestal of the chair, to which the seat B is connected by the bolts C. The upper ends of the bolts C are pivoted to the seat B in such a way that the said seat may rock forward and backward upon the said bolts. The bolts C pass down through the base A with the forward inclination, as shown in Figs. 1 and 2, so that when a person sits down in the chair and depresses the rear part of the seat the resistance or reaction may be in the direction of the length of said bolts. D are rubber or other springs, interposed between the seat B and the base A in the rear of the bolts C, and which are designed to give elasticity to the chair. E are rubber or other springs, interposed between the seat B and the pedestal A, in front of the bolts C, to serve as elastic stops when the pressure is removed from the springs D, or when the seat B is tipped forward. F are the side posts of the back, which are inclined to the rearward. The lower parts of the posts F are secured to the sides of the seat B, in front of the bolts C, and their lower ends project downward below said seat, and are widened to partially cover the connection between the seat B and the pedestal A. The posts F are supported in position by the upright braces G, the upper ends of which are secured to the middle parts of the posts F. The lower parts of the braces G are secured to the seat B, and their lower ends project below the seat B, and are widened to partially cover the connection between the seat B and the pedestal A. The angular space between the posts F and the braces G is closed by the panels H, the edges of which are slid into grooves in the inner edges of the said posts F and braces G, as shown in Fig. 3 and in dotted lines in Figs. 1 and 2. The lower end of the panel H projects downward below the seat B, to cover the connection between the seat B and the pedestal A. The panels H need not extend above the seat B, and may be attached to the sides of the downwardly-projecting ends of the posts F and braces G, if desired. The panels H also guard against the possibility of a person getting his fingers or clothing caught in the operating mechanism of the chair. This construction allows the panels H to be conveniently removed to give access to the sides of the seat B, for convenience in upholstering the said seat, and to give access to the connections between the seat B and the pedestal A, when required. To the forward sides of the posts F are attached the arms I. The upper ends of the posts F are connected by a curved slat, J.

The back of the chair may be made of canvas or other suitable material.

The posts F, braces G, panels H, and arms I may be curved or otherwise ornamented to any desired extent.

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

1. The combination, with seat B, of the side posts F, braces G, and panels H, all constructed substantially as and for the purpose specified.

2. The combination of a detachable panel, H, with posts F, having downwardly-projecting ends, and braces G, attached to the seat, as and for the purpose specified.

WILLIAM T. DOREMUS.

Witnesses:

JAMES T. GRAHAM,

ALEX. OSTRANDER.