

J. W. McDONOUGH.  
Piano-Stool.

No. 209,498.

Patented Oct. 29, 1878.

Fig. 1

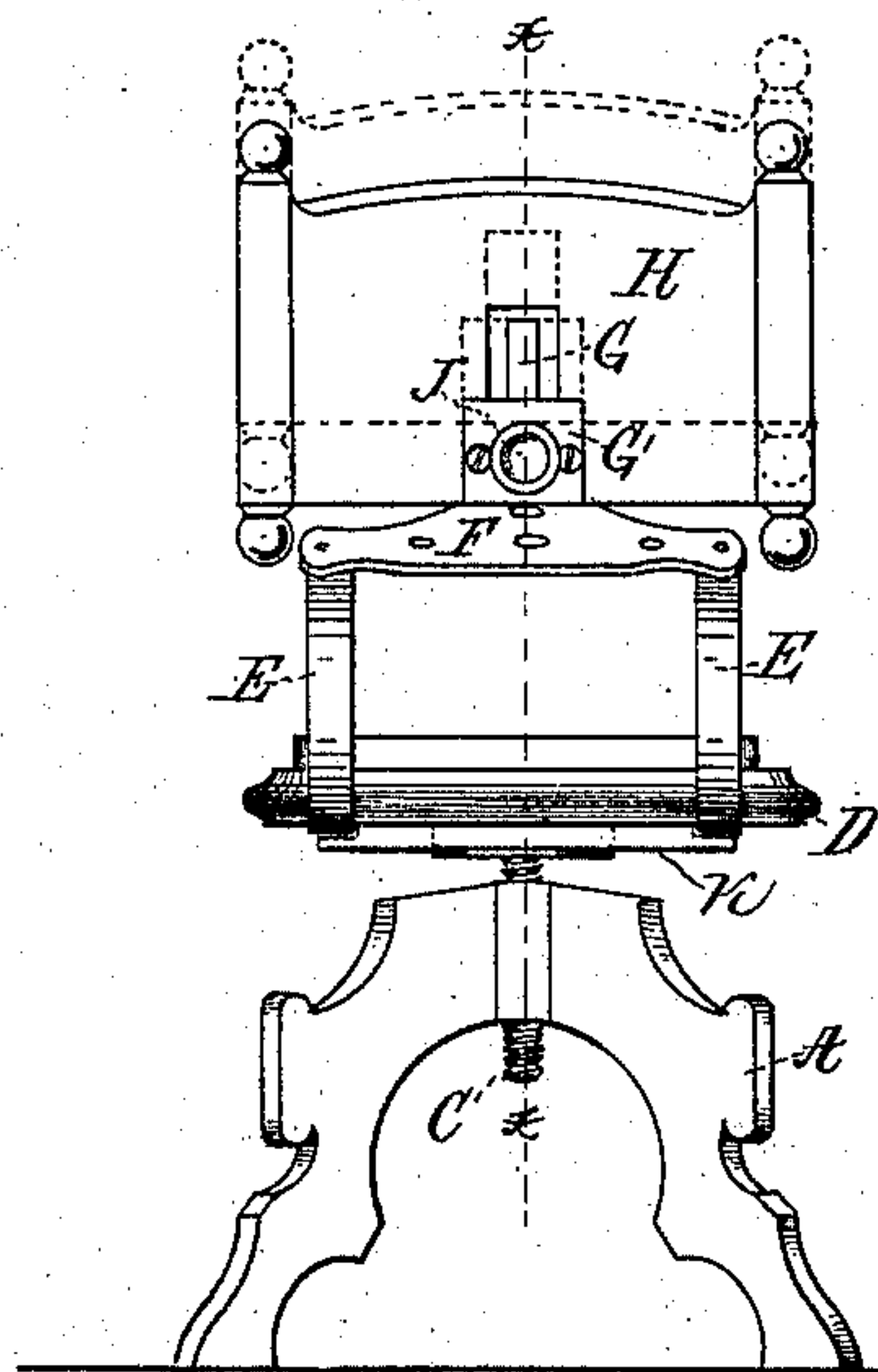


Fig. 2

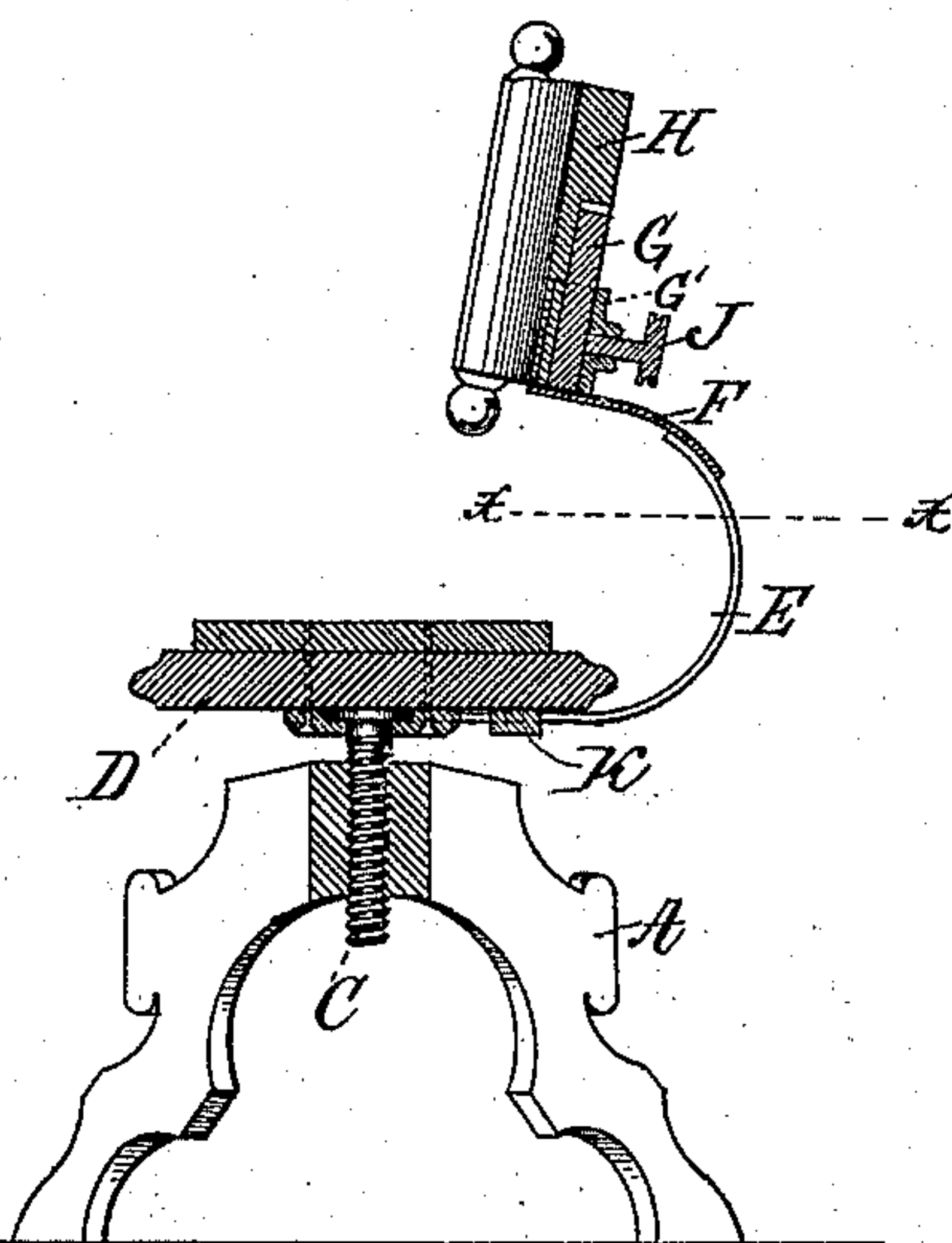
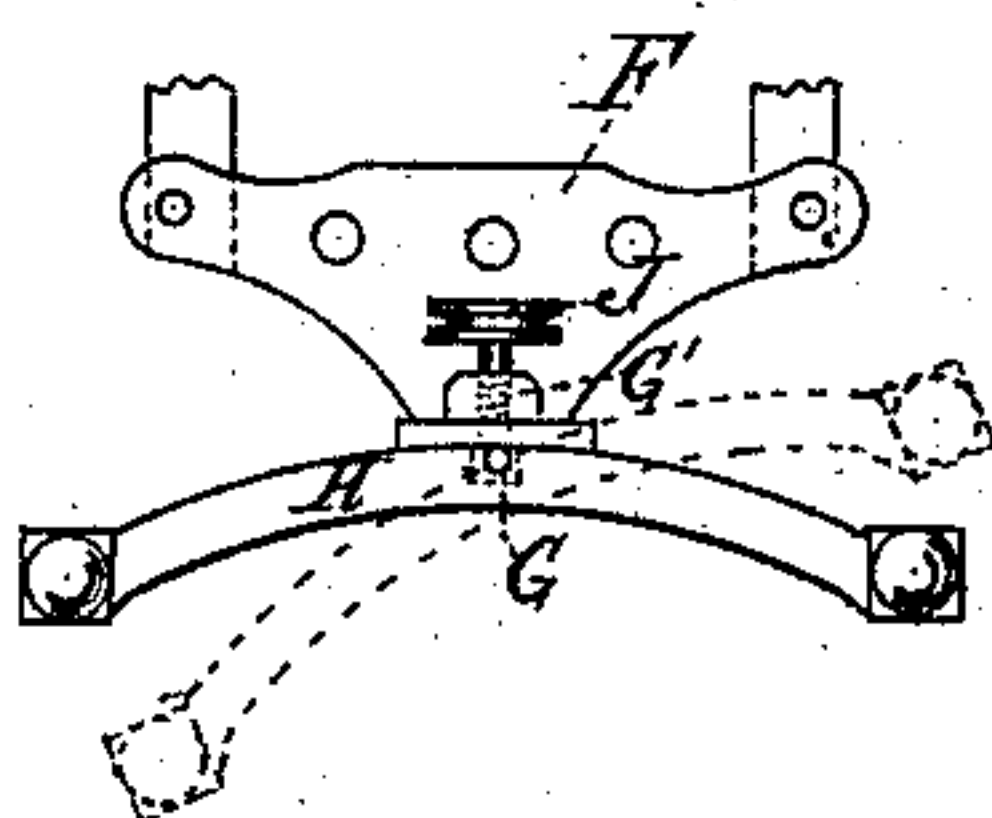


Fig. 3



Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES W. McDONOUGH, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN PIANO-STOOLS.

Specification forming part of Letters Patent No. **209,498**, dated October 29, 1878; application filed March 28, 1878.

*To all whom it may concern:*

Be it known that I, JAMES W. McDONOUGH, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Piano-Stools; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, in which—

Figure 1 represents a rear elevation of a piano-stool embodying my invention. Fig. 2 represents a central sectional elevation of the same, and Fig. 3 represents a plan view of the parts above the line *x x* in Fig. 2.

Like letters of reference indicate like parts.

The object of my invention is to improve the construction of piano-stools, and so as to render them more convenient and easy for the occupant when playing upon the piano; and my invention consists in providing a piano-stool with an adjustable spring back so arranged as to admit of being raised or lowered at will, and so as to form a support for the back of the occupant of the stool, as hereinafter more fully described and claimed.

In the drawing, A represents the base of the stool, which is constructed in the usual form. C represents the adjusting-screw, which is fitted within the stool A and secured at its upper end to the seat D, and so that the seat may be elevated or depressed in the usual manner. E E are curved springs, which are permanently attached to the seat D and extend upward above the same, as shown in Figs. 1 and 2, and are connected at their upper ends to a cross-bar, F, extending from one to the other.

G is a vertical stud, which is pivoted at its

lower end within the center of the cross-bar F, and so as to admit of a free and easy rotary movement. H is the back proper of the stool, which is secured to the stud G by a socket, G', permanently attached to the back, and through which the stud loosely passes, and so that the back may be elevated or depressed to suit persons of different heights. J is a set-screw, which passes through one of the walls of the socket and against the stud G, and so as to hold the back at any desired adjusted height upon the stud. K is a horizontal support-bar, secured to the lower side of the seat D, and is notched at its ends, so as to allow the springs to pass through it, and serves as a support for the springs E E when under pressure.

The object of making the back H adjustable, as described, is to admit of raising or lowering the same, so as to bring it to the proper height to support the back of the occupant; and the object of curving the springs supporting the back is to give room for the wearing apparel of the occupant.

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

1. The combination, with the seat D, curved springs E E, cross-bar F, provided with the stud G, of the back H, provided with the socket G' and set-screw J, substantially as and for the purpose specified.

2. The combination, with the seat D, provided with the bar K, curved springs E E, cross-bar F, provided with the stud G, of the back H, provided with the socket G' and set-screw J, substantially as specified.

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Witnesses:

G. R. HOFFMAN,  
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