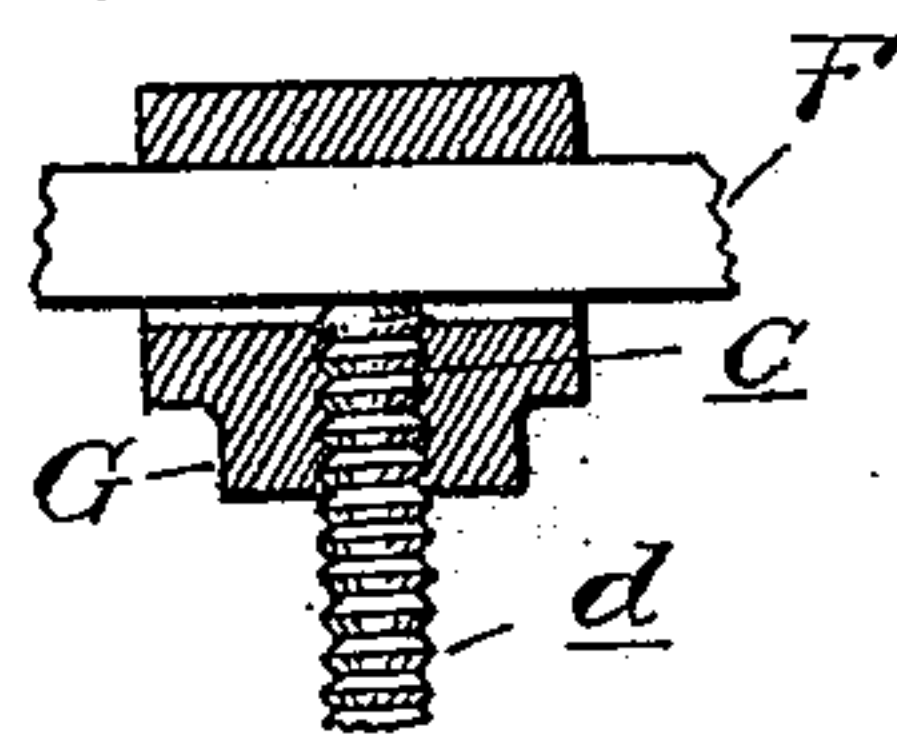
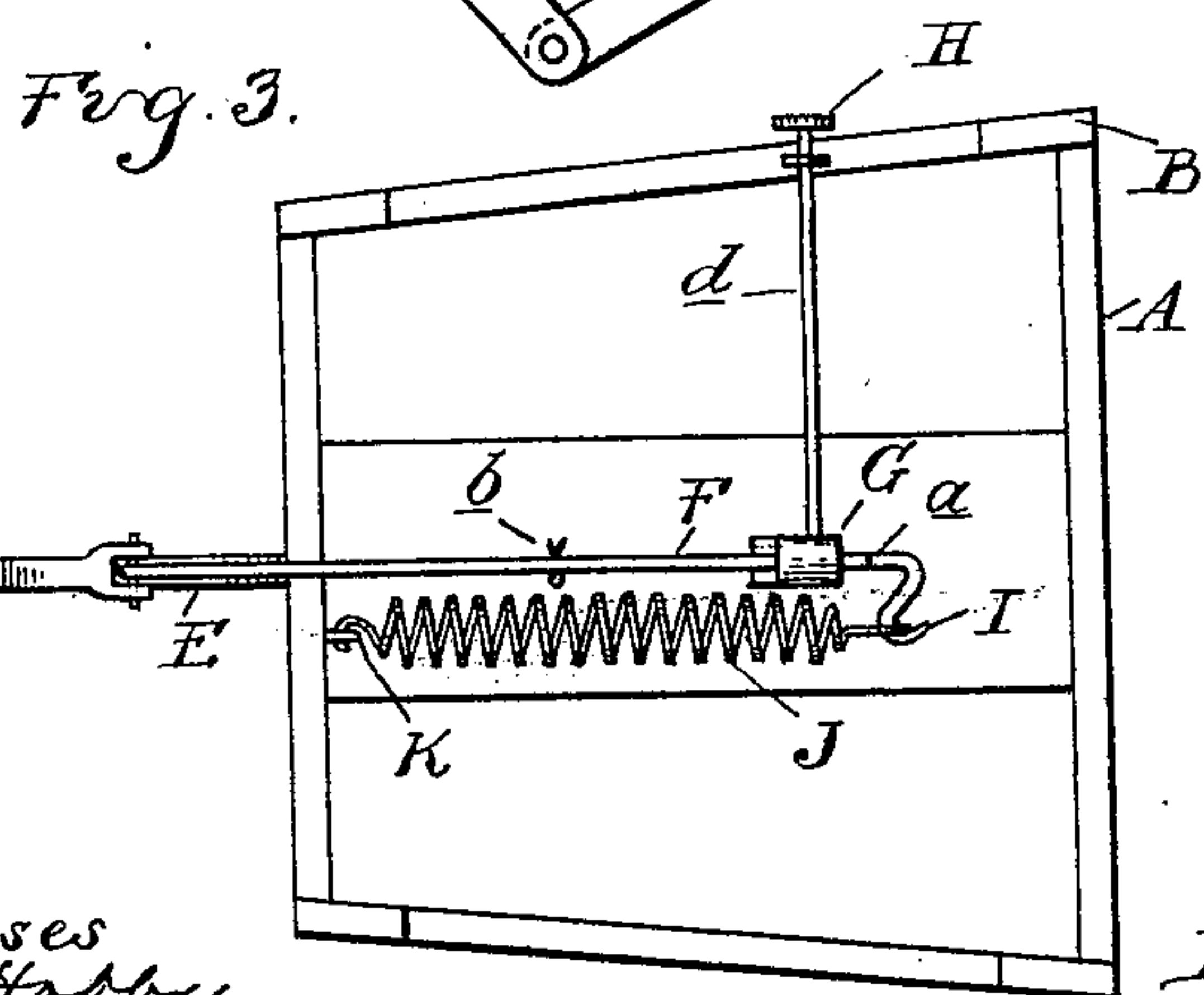
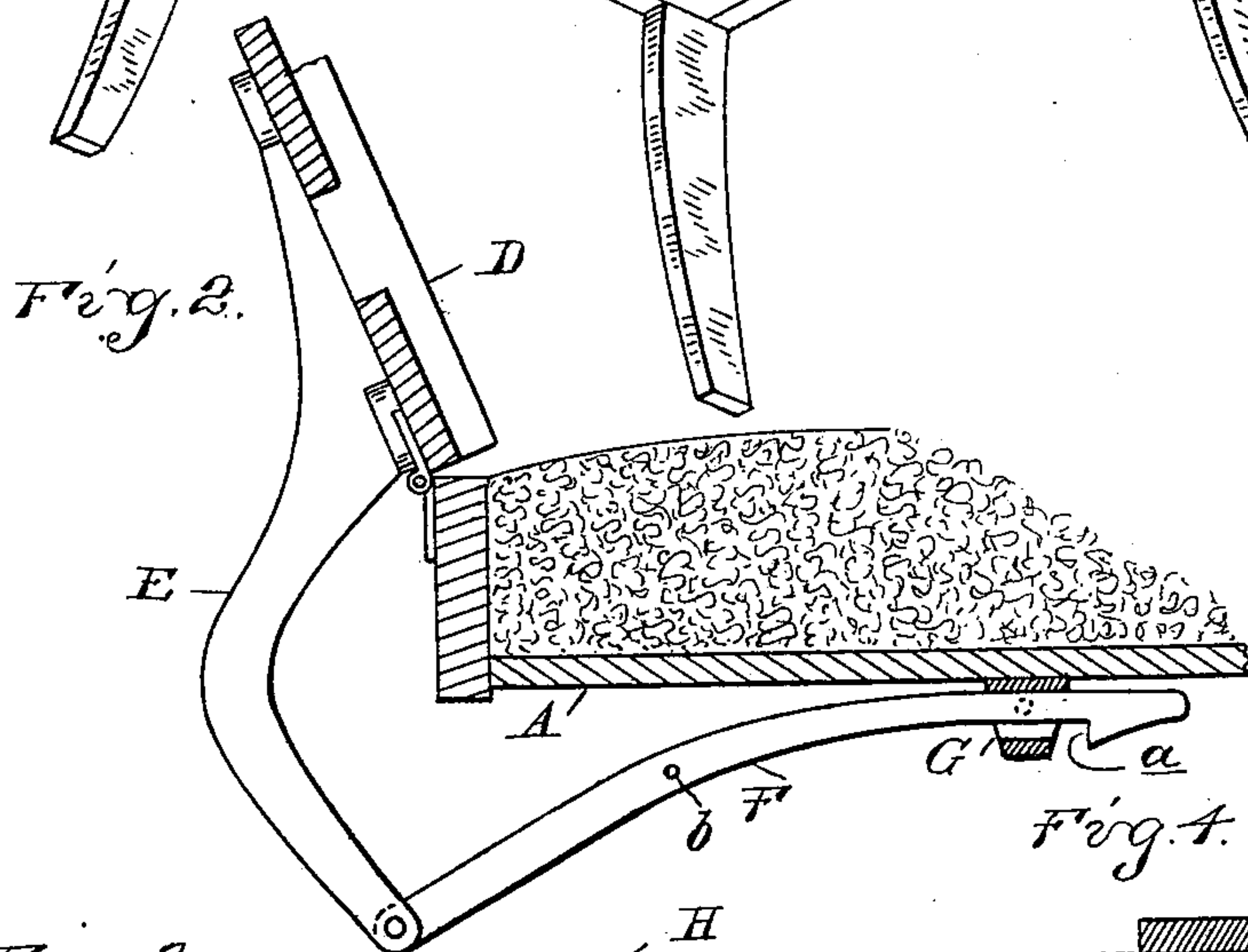
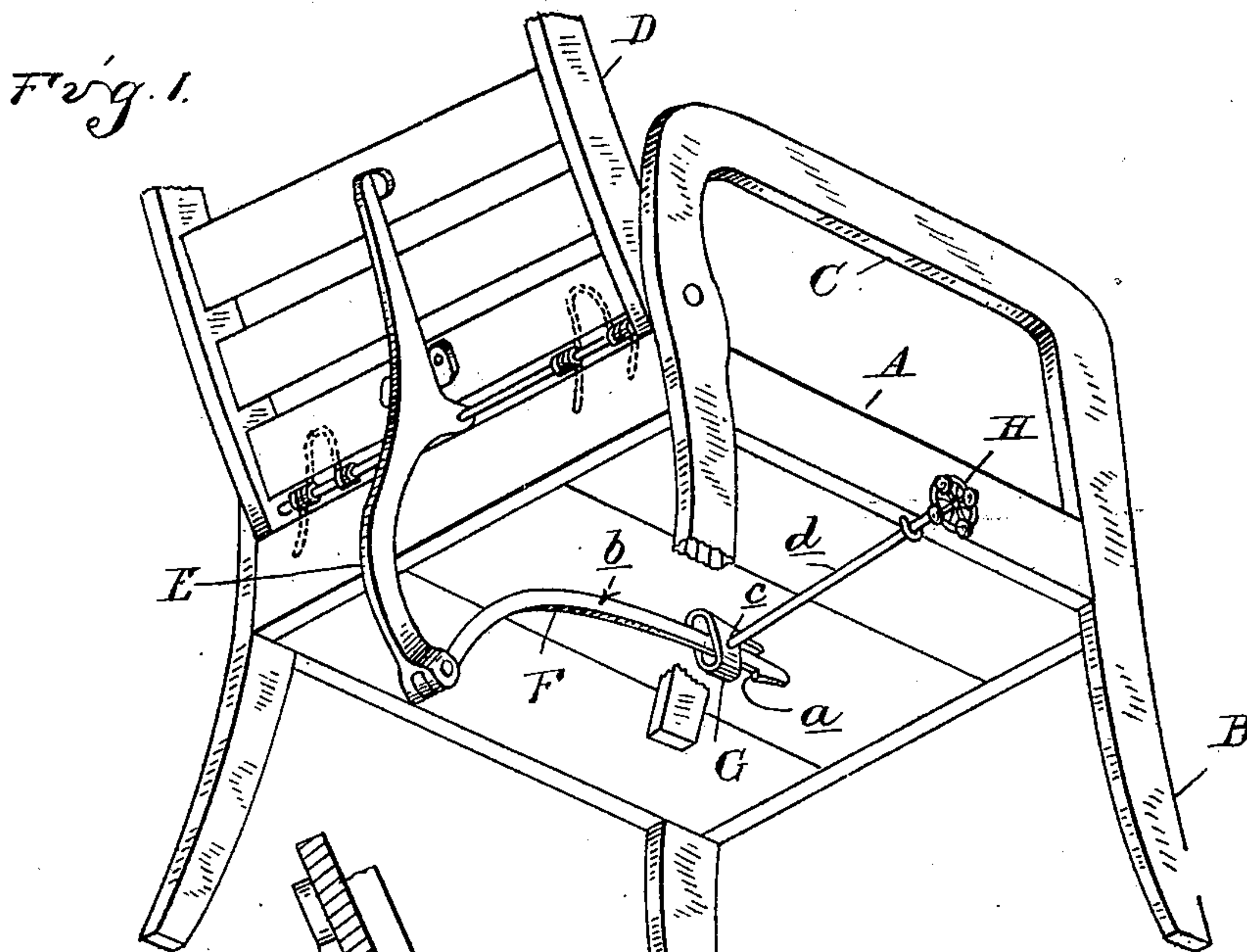


No. 635,452.

Patented Oct. 24, 1899.

J. F. WALTON.  
ADJUSTABLE CHAIR.  
(Application filed Jan. 17, 1899.)

(No Model.)



Witnesses  
A. L. Hobby  
J. C. Smith.

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# UNITED STATES PATENT OFFICE.

JERROLD F. WALTON, OF DETROIT, MICHIGAN.

## ADJUSTABLE CHAIR.

SPECIFICATION forming part of Letters Patent No. 635,452, dated October 24, 1899.

Application filed January 17, 1899. Serial No. 702,418. (No model.)

*To all whom it may concern:*

Be it known that I, JERROLD F. WALTON, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Adjustable Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to that class of adjustable chairs in which the back is hinged to the seat-section and is adapted to be adjusted to different inclinations.

The invention consists in the peculiar construction of the adjusting means employed, whereby the inclination of the back may be readily adjusted by the occupant of the chair while seated therein, as more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of my chair, looking at the under side of the seat. Fig. 2 is a vertical central section therethrough. Fig. 3 is a bottom plan view of the seat, and Fig. 4 is a section through the clamping-bearing.

A is the seat-section, which is provided with legs B and, if desired, with the arms C.

D is the back, hinged to the rear edge of the seat-section in any suitable way.

E is an arm or bracket secured to the back-section and extending downwardly and rearwardly therefrom. To the end of this arm is pivotally secured a rod F, which extends beneath the seat and slidingly engages with a bearing G, the latter being secured to the bottom of the seat. The rod F is preferably of the form shown in Fig. 2 of the drawings, being provided near its inner end with a shoulder or stop *a*, which is adapted to catch upon the bearing G and limit the rearward movement of said rod. The rod is also provided with a stop *b*, which may be formed by an ordinary split pin and limits the forward movements of the rod. The bearing G is provided with a clamp, which I preferably form by providing said bearing with a screw-threaded aperture *c*, with which a threaded rod *d* engages, said rod extending laterally to the side of the seat, being provided with a suitable handle, such as H, by means of which it may be screwed in to clamp and hold the rod F in any position of adjustment.

To raise the back, I provide suitable springs, which may be placed in any convenient position, either as shown in Fig. 1, where they are located at the hinge securing the back to the seat-section, or preferably they may be placed as shown in Fig. 3, in which I provide the rod F, at its inner end, with a laterally-extending arm or hook I, to which one end of the spring J is secured, the other end being attached to an eye or securing-hook K at the rear end of the seat. With this construction it will be observed that the tension of the spring J is constantly exerted to draw the rod F rearwardly, and thus to raise the back toward an upright position, while the weight of the occupant of the chair will enable him to readily overcome the tension of this spring and lower the back to the position desired. It will also be observed that the clamping device being operable from the side of the seat it is in a convenient position for adjustment.

What I claim as my invention is—

1. In an adjustable chair the combination with the seat and the hinged back of an arm secured to said back projecting downwardly and rearwardly therefrom, a slotted bearing secured beneath the seat, a rod pivotally secured at one end to said arm and slidingly secured in said bearing, a clamp for adjustably holding said rod in said bearing having an operating-shank extending to the side of the seat, and a spring for raising the back.

2. In an adjustable chair the combination with the seat and the hinged back, of an arm secured to said back projecting downwardly and rearwardly therefrom, a stationary bearing G secured beneath said seat, the rod F pivotally secured to said arm, and slidingly engaging said bearing, and provided with the stops *a* and *b*, the clamping-rod F having a screw-threaded engagement with said bearing and extending to the side of the seat, and the spring J secured at one end to the inner end of the rod F and at its rear end to the seat.

In testimony whereof I affix my signature in presence of two witnesses.

JERROLD F. WALTON.

Witnesses:

M. B. O'DOHERTY,  
H. C. SMITH.