

T. J. Ross,

Chair Back,

N<sup>o</sup> 59,454.

Patented Nov. 6, 1866.

Fig. 2.

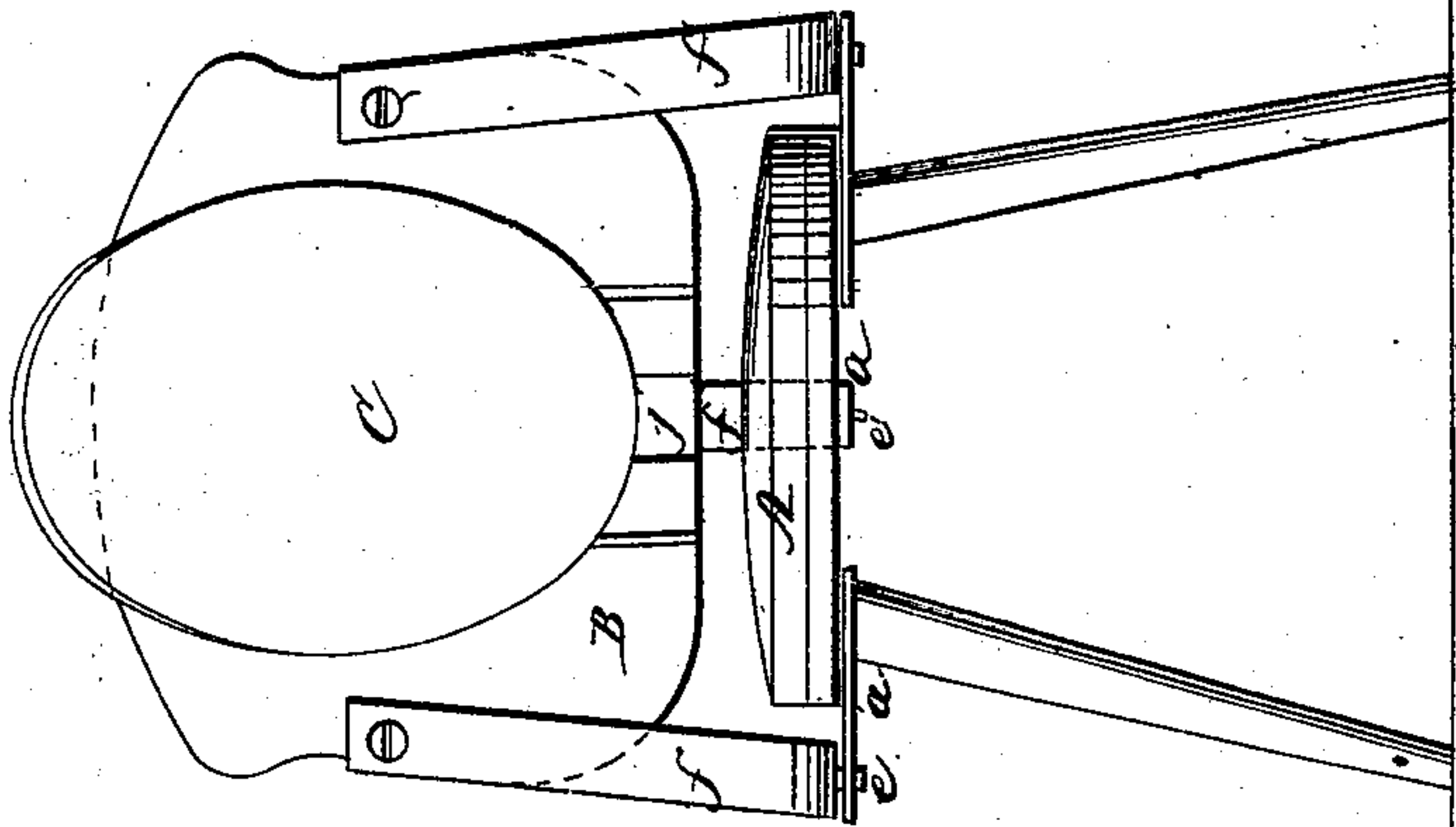


Fig. 3.

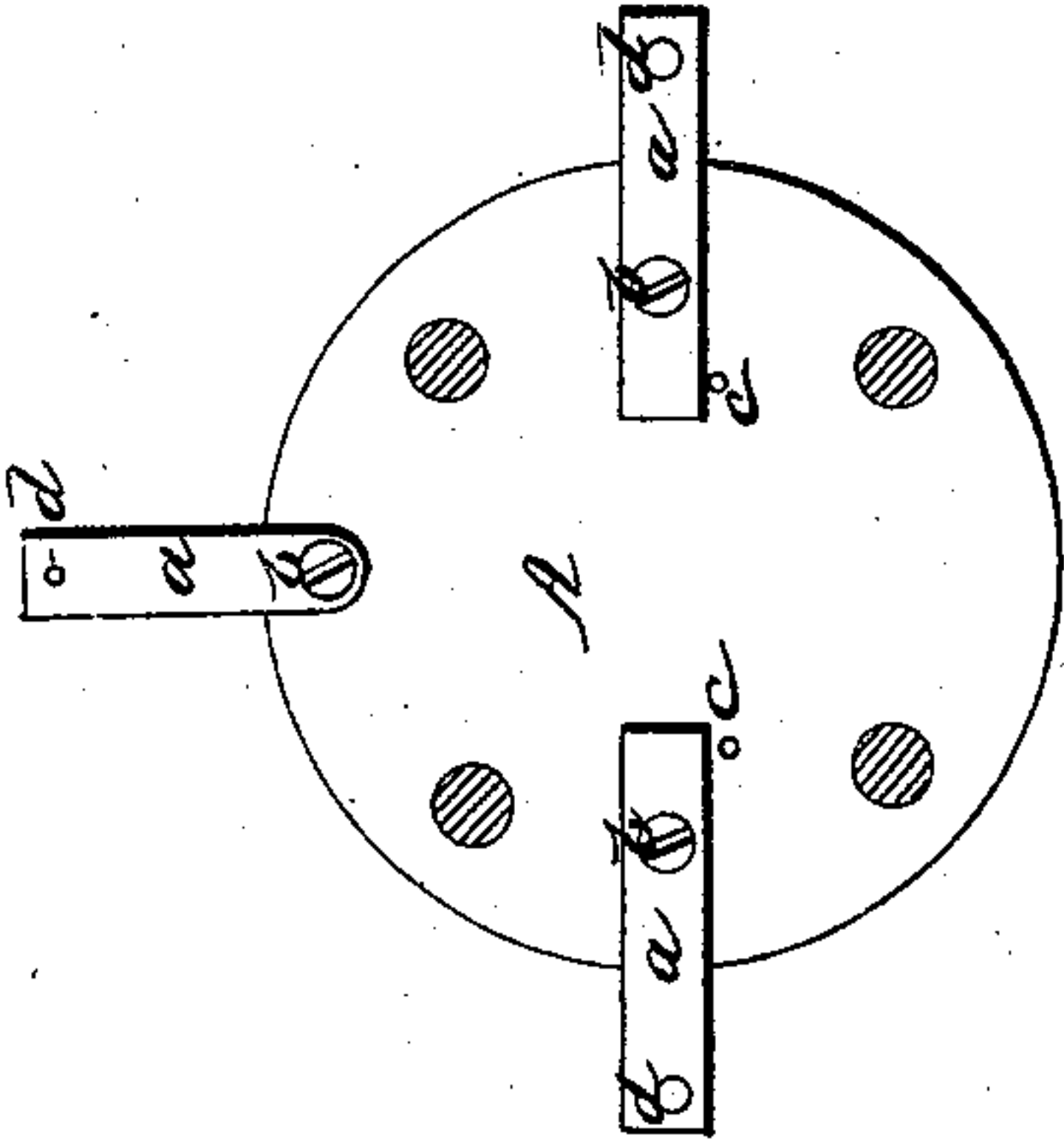
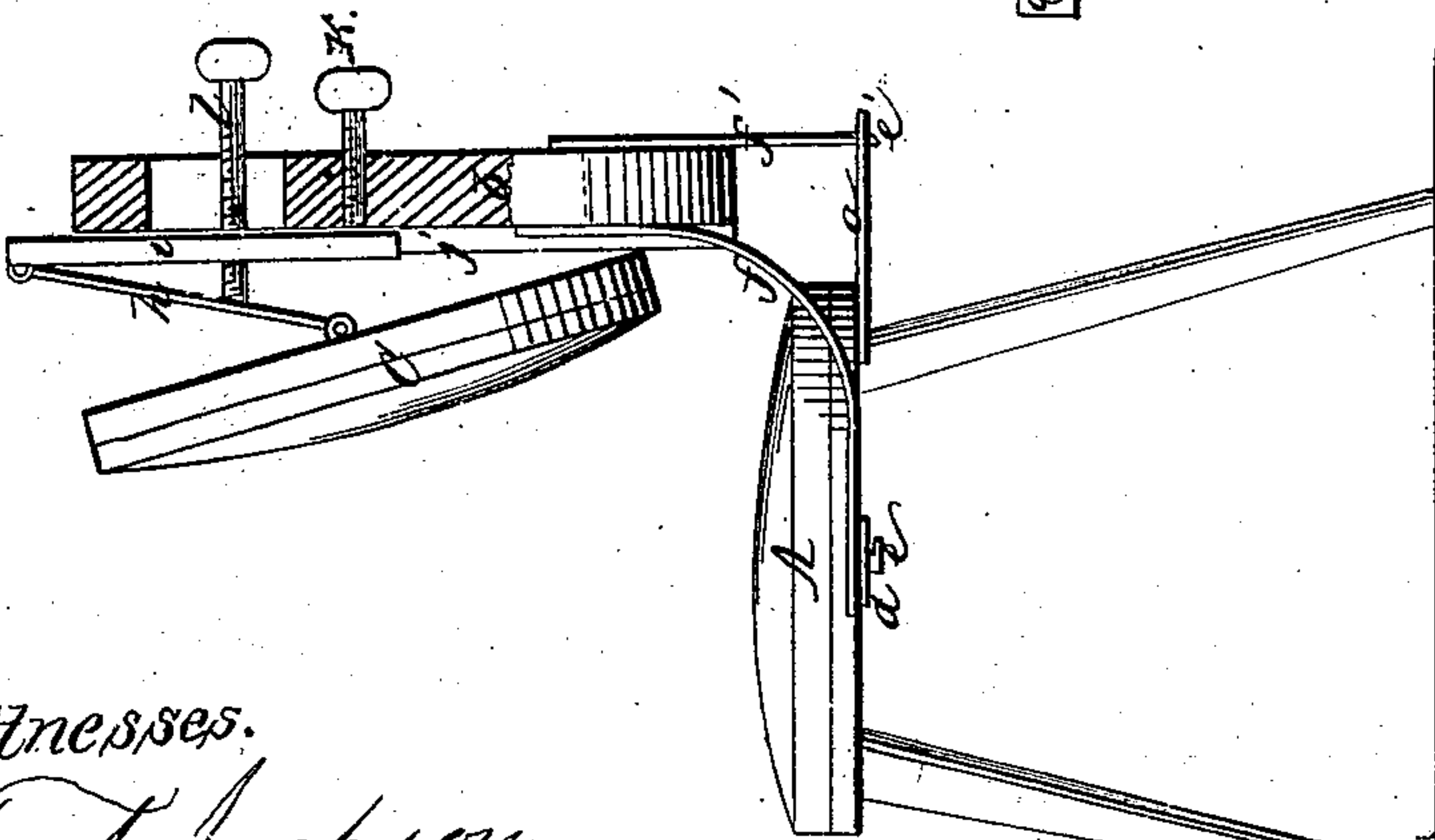


Fig. 1.



Witnesses.

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# UNITED STATES PATENT OFFICE.

THOMAS J. ROSS, OF UNION, NEW YORK.

## IMPROVED ADJUSTABLE BACK FOR STOOLS.

Specification forming part of Letters Patent No. 59,457, dated November 6, 1866.

*To all whom it may concern:*

Be it known that I, THOMAS J. ROSS, of Union, in the county of Broome and State of New York, have invented a new and useful Improved Adjustable Back for Stools; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a sectional side elevation of this invention. Fig. 2 is a front elevation of the same. Fig. 3 is an inverted plan of the seat detached.

Similar letters of reference indicate like parts.

This invention consists in the arrangement of swivel-brackets under the seat of a stool, in combination with a back which is provided with suitable arms, the ends of which can be made to catch in corresponding sockets in the swivel-brackets, in such a manner that when the swivel-brackets are turned out the back can be readily connected to the seat, and, if the stool is to be used without a back, the swivel-brackets can be readily turned under the seat. The back is hinged to a vertically-adjustable frame, and applied in combination with two set-screws, in such a manner that its position can be regulated to suit the person occupying the seat.

A represents the seat of a stool, which may be supported by three or four legs, according to taste and convenience. This seat is provided with three (more or less) brackets, *a*, which are secured to its under surface by screws or pivots *b*, in such a manner that they can be turned out in a radial position, such as shown in Fig. 3, or that they can be turned in under the seat and out of the way of the person sitting on the stool. Suitable stops *c* prevent the brackets *a* being turned any farther than necessary or desirable. Said brackets are provided with sockets *d* near their outer ends, and these sockets are intended to receive the hooks *e*, which are secured to the curved

arms *f*, or the pin *e'*, formed by the bottom end of the arm *f'*.

The arms *f* and *f'* are secured to the bed B, which supports the back C, and they are arranged in such a position that the hooks or pins at their ends will readily enter the sockets *d*, provided the brackets have been previously adjusted in their radial position. The bed B, together with the back, can thus be readily attached to or removed from the seat whenever it may be desired.

The back C is connected by a link, *h*, with a slide, *i*, which is fitted in a dovetailed groove, *j*, in the bed B, so that by moving the slide up or down the back can be adjusted to the desired height. A set-screw, *n*, which screws in the bed C and bears on the slide *i*, serves to secure the same, together with the back, in the required position.

The link *h* is hinged to the back C, and also to the slide *i*, and a screw, *l*, passes through a slot in the bed B and screws in the slide, so that its point can be made to bear on the link. By turning the screw *l* in or out the back C can be adjusted in any desired inclination to suit the person occupying the stool.

By these means a stool is obtained which can be readily converted into a convenient chair, or which can be used as a stool precisely in the same manner as an ordinary stool.

I claim as new and desire to secure by Letters Patent—

1. The swivel-brackets *a*, in combination with the seat A and with the detachable back B C, constructed and operating substantially as and for the purpose described.

2. The hinged back C and slide *i*, in combination with the bed B, screws *h* *l*, and seat A, all constructed and operating substantially as and for the purpose set forth.

The above specification of my invention signed by me this 26th day of July, 1866.

THOS. J. ROSS.

Witnesses:

WM. T. MCNAMARA,  
W. HAUFF.