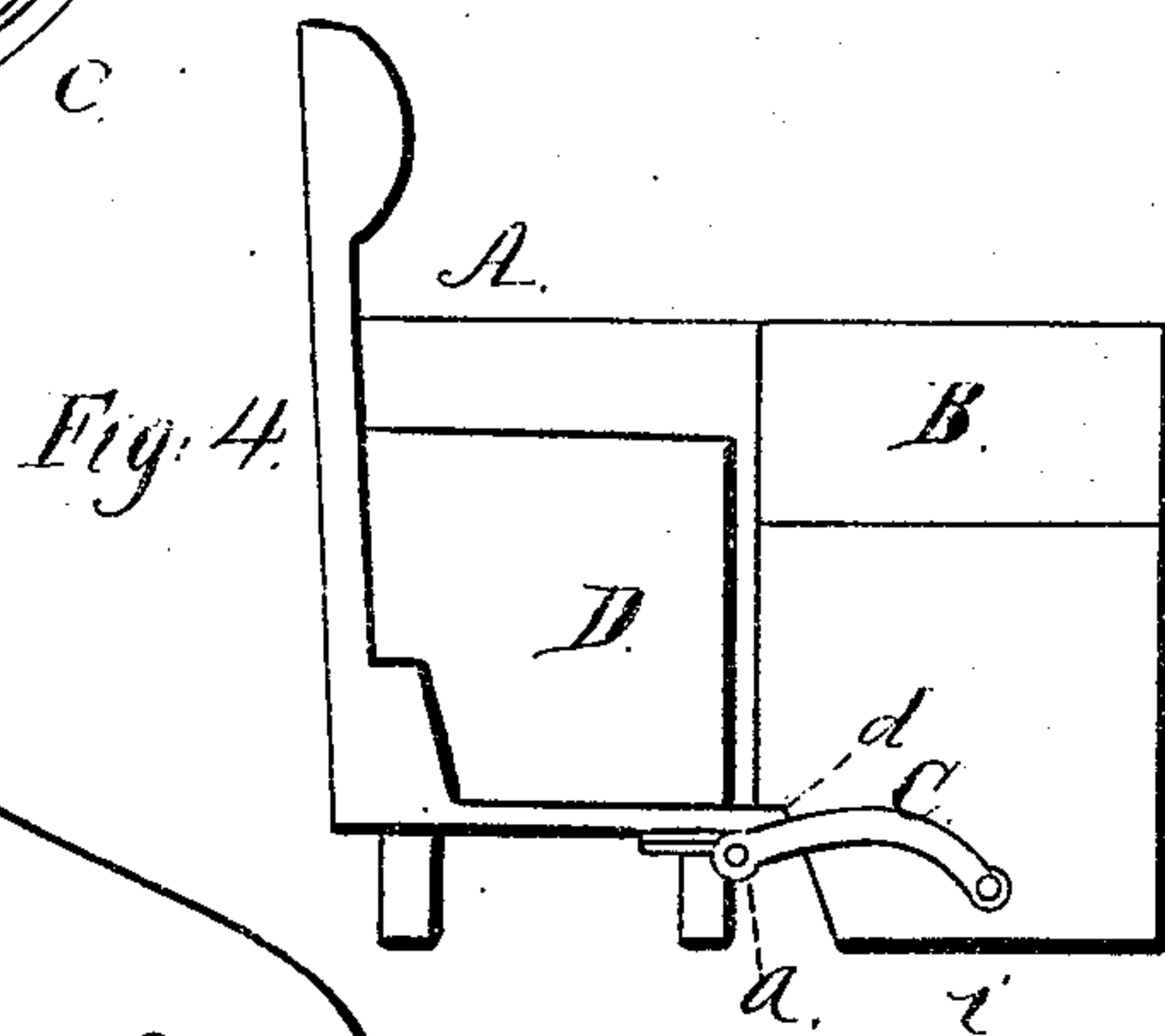
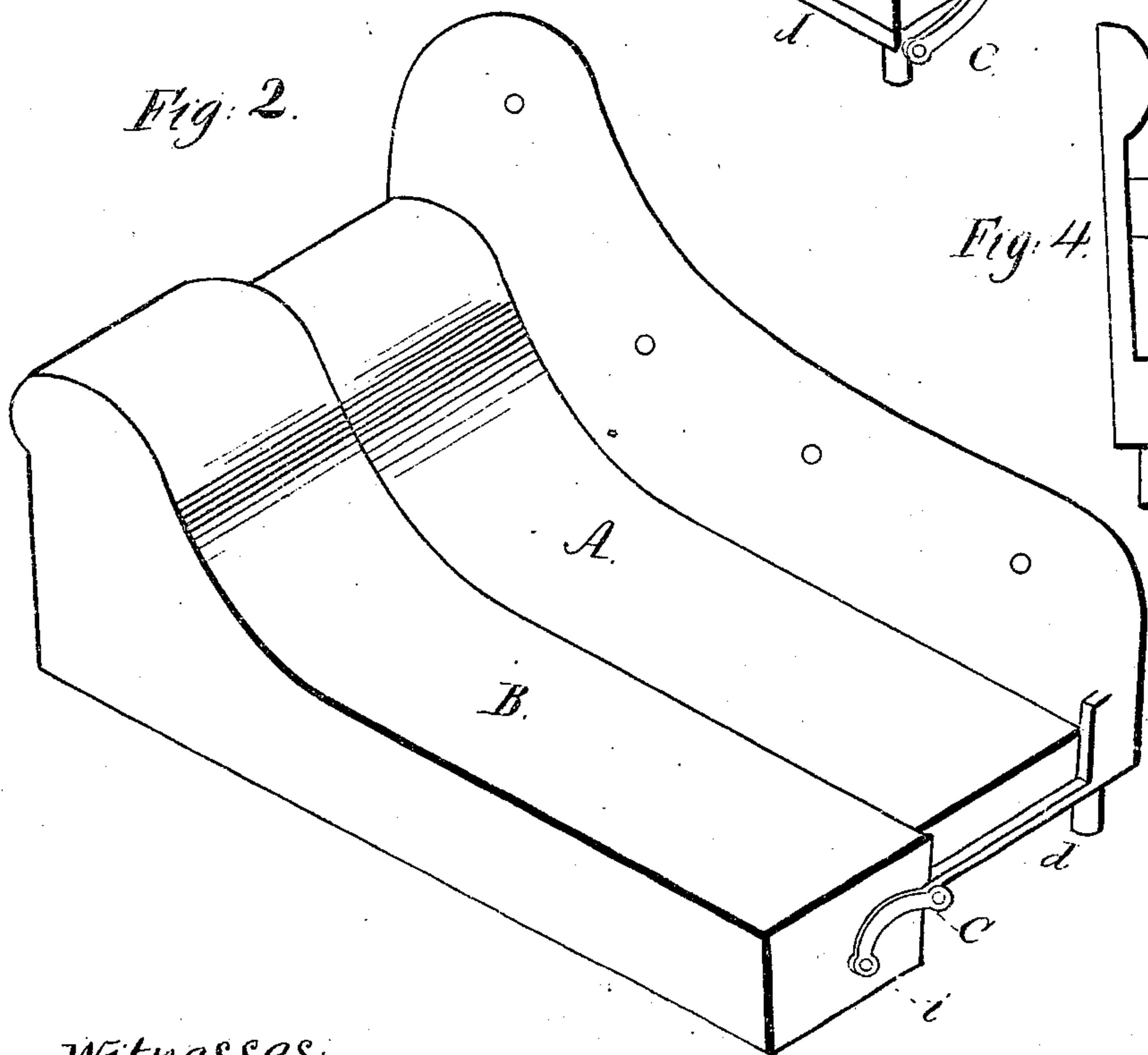
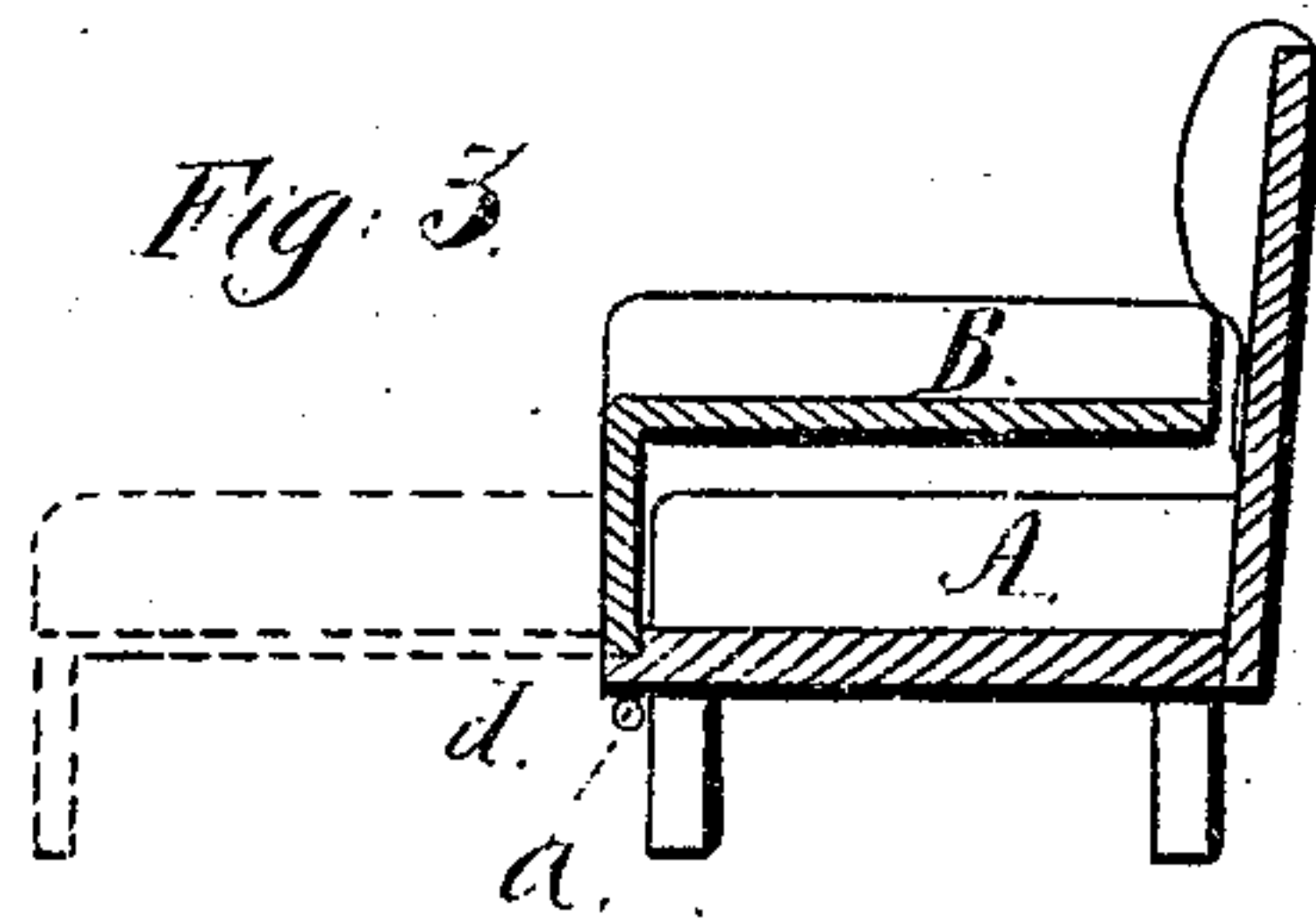
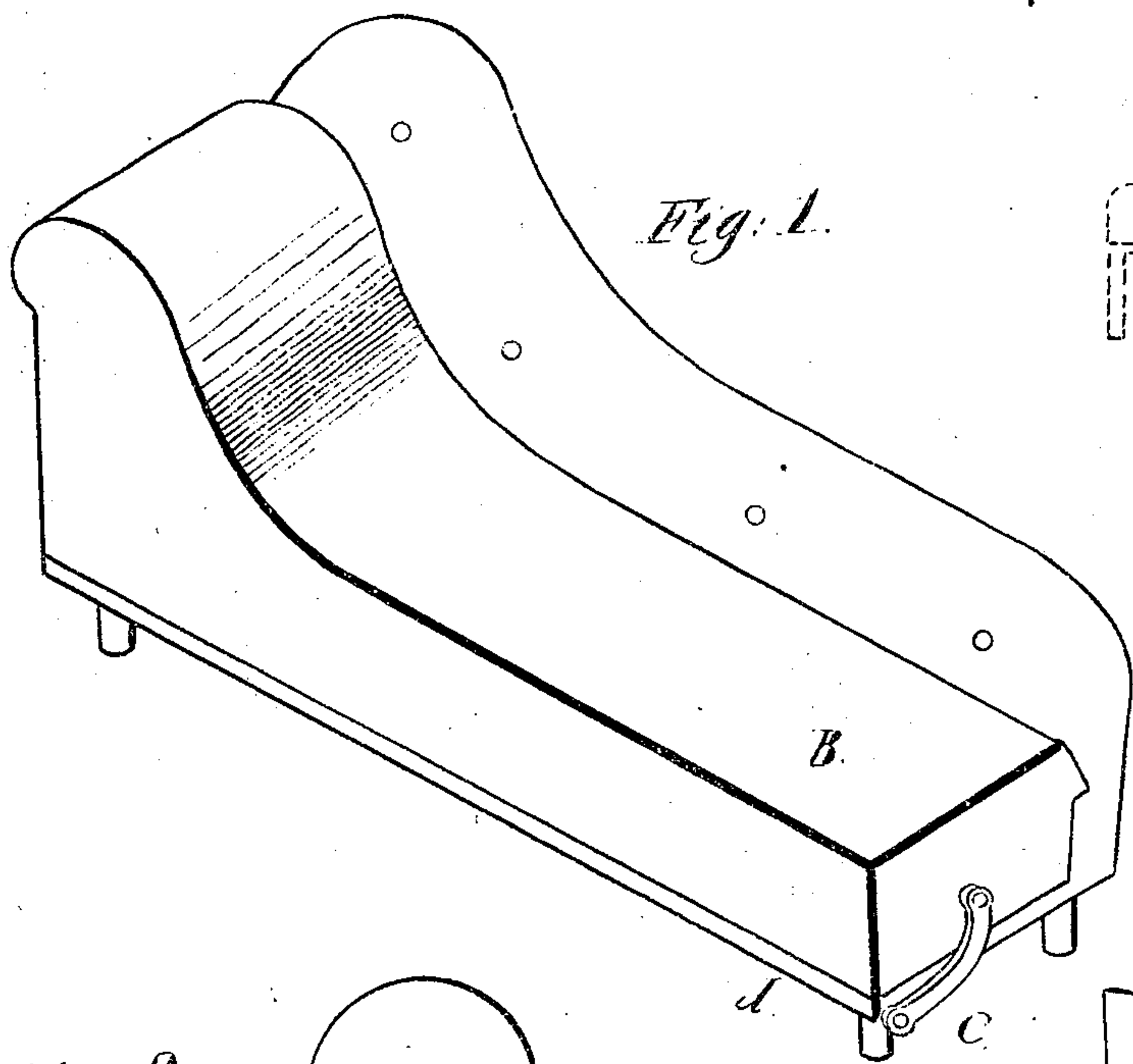


W. H. Lotz.

Sofa Bedstead.

N<sup>o</sup> 85,391. Patented Dec. 29, 1868.



Witnesses:  
F. Fischbeck.  
A. Lumberg.

Inventor.  
Wm H. Lotz

# UNITED STATES PATENT OFFICE.

WILLIAM H. LOTZ, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN FOLDING LOUNGES.

Specification forming part of Letters Patent No. 85,391, dated December 29, 1868.

*To all whom it may concern:*

Be it known that I, WILLIAM H. LOTZ, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Extension Sofa-Beds; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention relates to extension sofa-beds; and consists in a novel construction of the same, so that when closed it occupies no more space than an ordinary single sofa, and all indications of its being else than a single sofa are concealed, and in combination therewith of a receptacle or chamber to receive the bed-clothes, pillows, &c., when not in use, and conceal them from sight, all as hereinafter fully explained.

In the accompanying drawings, Figure 1 is a perspective view of the sofa closed; Fig. 2, the same opened or extended as a double bed; Fig. 3, a cross-section of the device closed, with the position of the parts when extended shown in dotted lines; Fig. 4, a rear-end elevation of the whole when extended.

My sofa-bed consists of an ordinary sofa, having connected to it, by pivoted arms, an upholstered body or shell, the interior shape and size of which correspond with the exterior of the sofa-body, and which shell, when the apparatus is closed, is set upon or over the body of the sofa, covering the top, front, and ends thereof, and giving the sofa the same appearance that it had before the shell was placed upon it, with the exception of being increased in size an amount equal to the thickness of the shell. When the sofa is to be extended, the shell is lifted off and placed on the floor in front of and against the sofa, it being held in place against the sofa by the links before referred to.

In the drawing, A represents the sofa, and B the shell, which is connected to the sofa by

the links or arms C, one at each end, each of said arms being connected at one end rigidly to the shaft or rod *a*, lying underneath and running lengthwise of the sofa, and their opposite ends, by pivots *i*, to the end of the shell C, all as clearly shown in Figs. 1, 2, and 4. The arms C are of such length and the pivots *i* so located that, when the shell is on the sofa, they allow it to rest snugly in place, with its rear edge close against the back of the sofa, and its lower edge resting upon the ledge *d*, as shown in Figs. 1, 3, and 4, thus giving it a good solid support, and preventing it from sliding or working off from the sofa, and when swung down in front, to hold it (the shell) firmly up against the sofa, with its rear edge resting upon the ledge *d*, as shown in Figs. 2 and 4. That portion of the body of the sofa underneath the elevated end or bolster is made hollow, and left open at the end, forming a recess or chamber, D, into which the bed-clothes may be placed, the chamber being closed by the end of the shell, which shuts down over the open end, thus affording a spacious and convenient receptacle to contain all the loose articles used, wearing apparel as well as bed-clothes. The upholstering of the whole is such as to effectually conceal all joints, &c., when the sofa is closed, so that no indication is presented to the closest observer of the device being more than a common sofa, with the exception of the arms C, which may, however, be so formed as to be more ornamental than otherwise; or they may be so attached as to close inside of the shell and out of sight, thus affording no clue whatever to the double purpose of the contrivance. As the arms C are both rigidly secured to the shaft *a*, one end of the shell B cannot be moved without operating the other in a similar manner, so that, by taking hold of one end of the shell, the whole may be carried over into the required position. The shell or extension B may be made of any required thickness, and of any suitable materials. When desired, the shell may be detached by simply removing the pivots *i*, thus affording two distinct and separate sofas.

The advantages of my sofa-bed over others are, first, that, when closed, there is no indica-



tion of its being other than an ordinary sofa; second, it is not necessary to make it of any unusual or particular shape to apply my improvements, but it may be of the shape best suited for ease and beauty, whatever that shape may be; third, the bolster or head is always right side up, whether the sofa be extended or not, and it is not necessary to reverse it when extending it; fourth, a large and convenient receptacle is provided for the bed-clothes, &c., without enlarging the sofa.

Having thus fully described my invention, what I claim is—

1. A sofa-bed consisting of a sofa, A, and a shell, B, of corresponding form, combined and arranged to operate substantially as described.

2. A sofa-bed consisting of the sofa A and the shell B, united, by means of the shaft *a*, with the arms C, attached rigidly thereto, and pivoted at their opposite ends to the shell B, all constructed and arranged to operate substantially as herein set forth.

Witnesses:

WM. H. LOTZ.

F. FISCHBECK,  
A. LIMBERG.