

No. 665,645.

Patented Jan. 8, 1901.

A. SCHROCK.

SOFA BED.

(Application filed May 15, 1900.)

(No Model.)

Fig. 1.

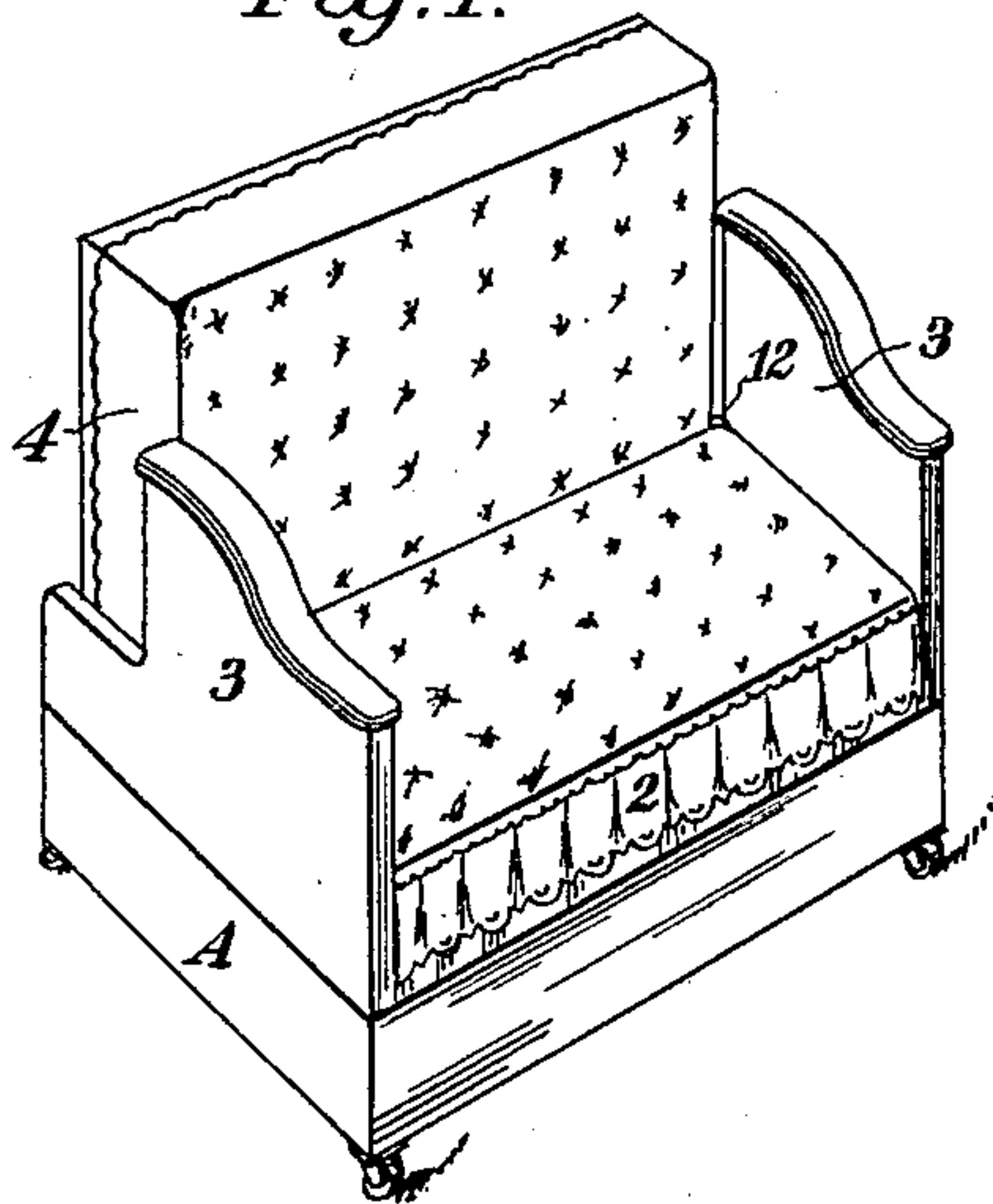


Fig. 2.

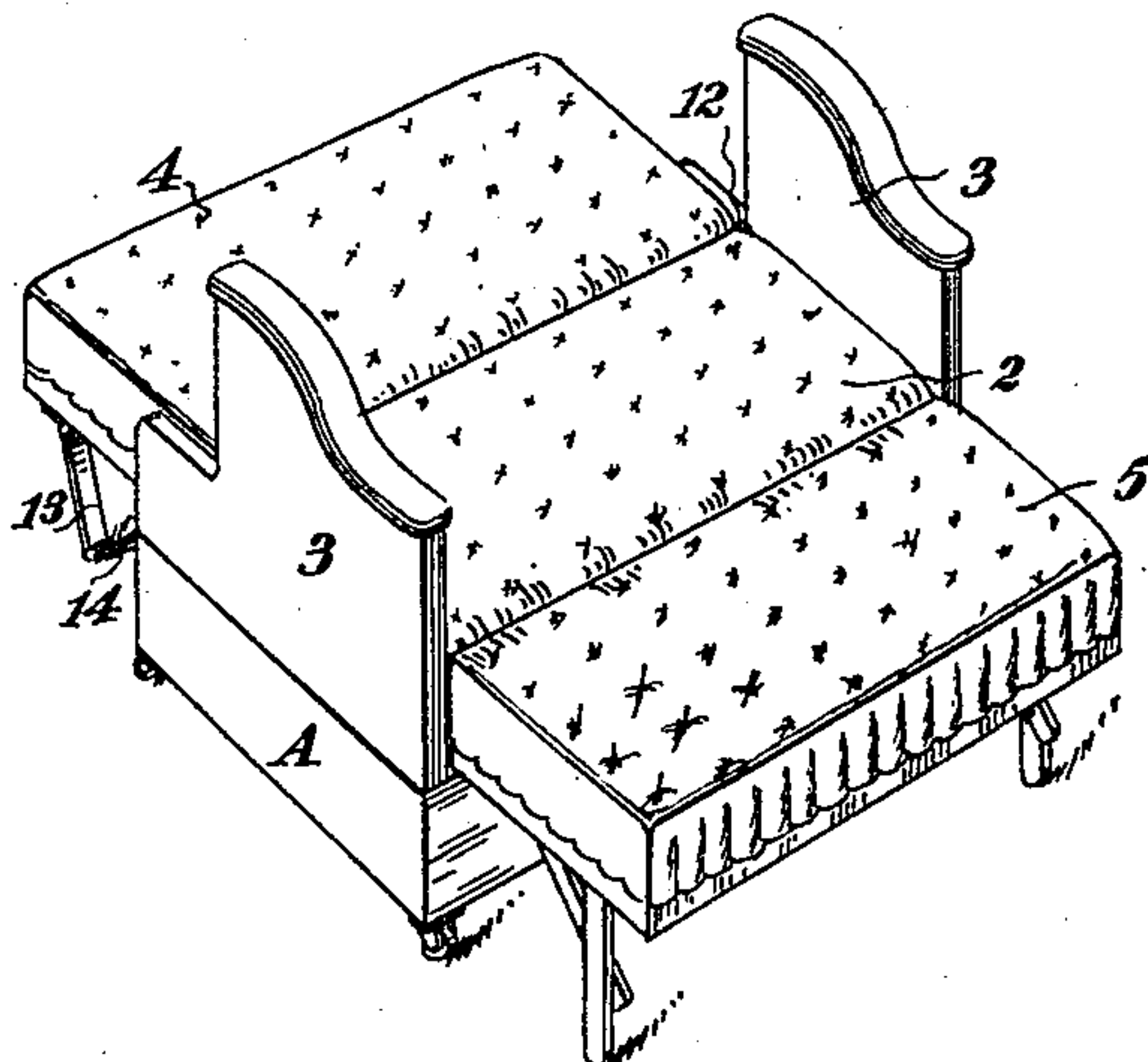


Fig. 3.

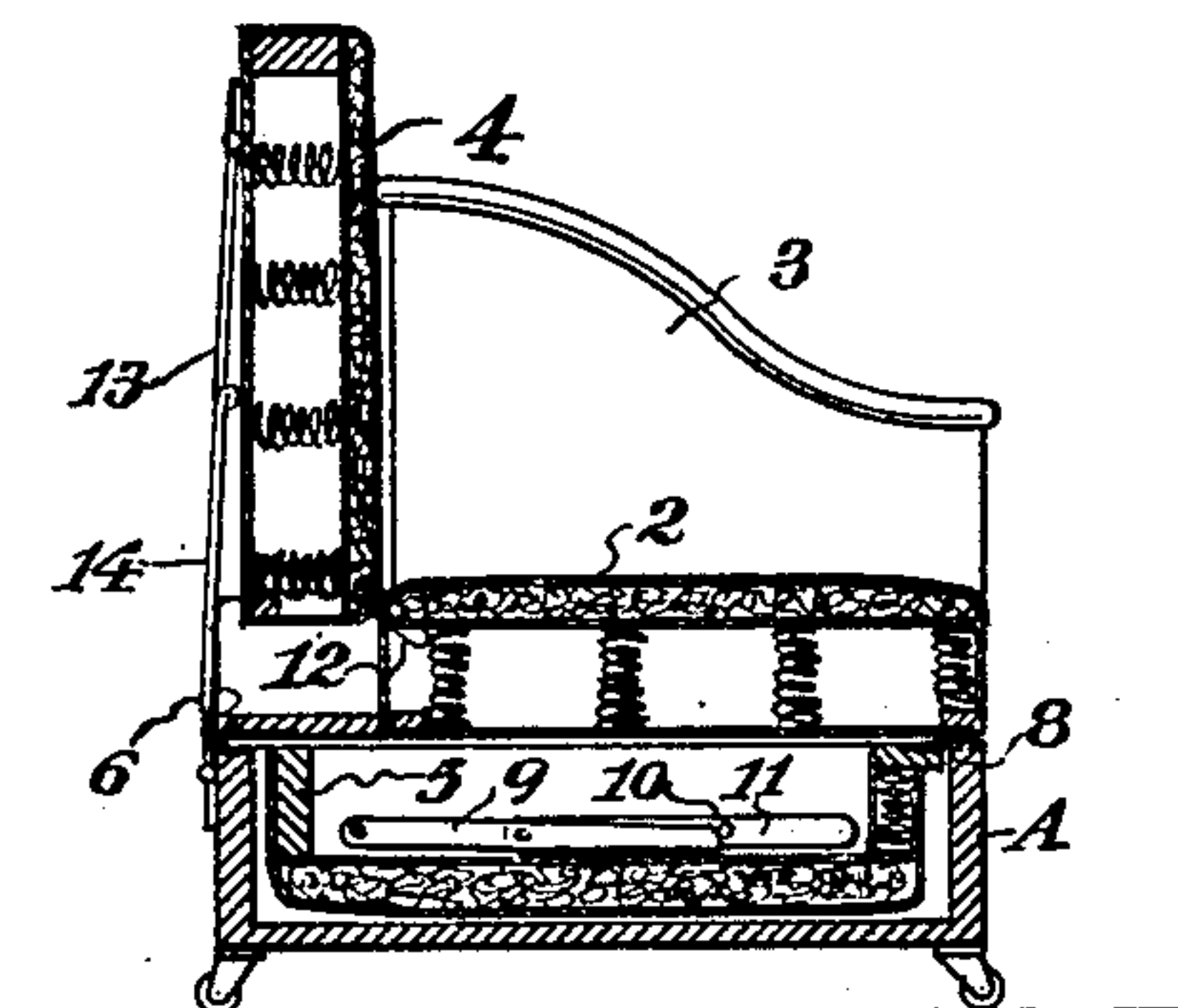


Fig. 4.

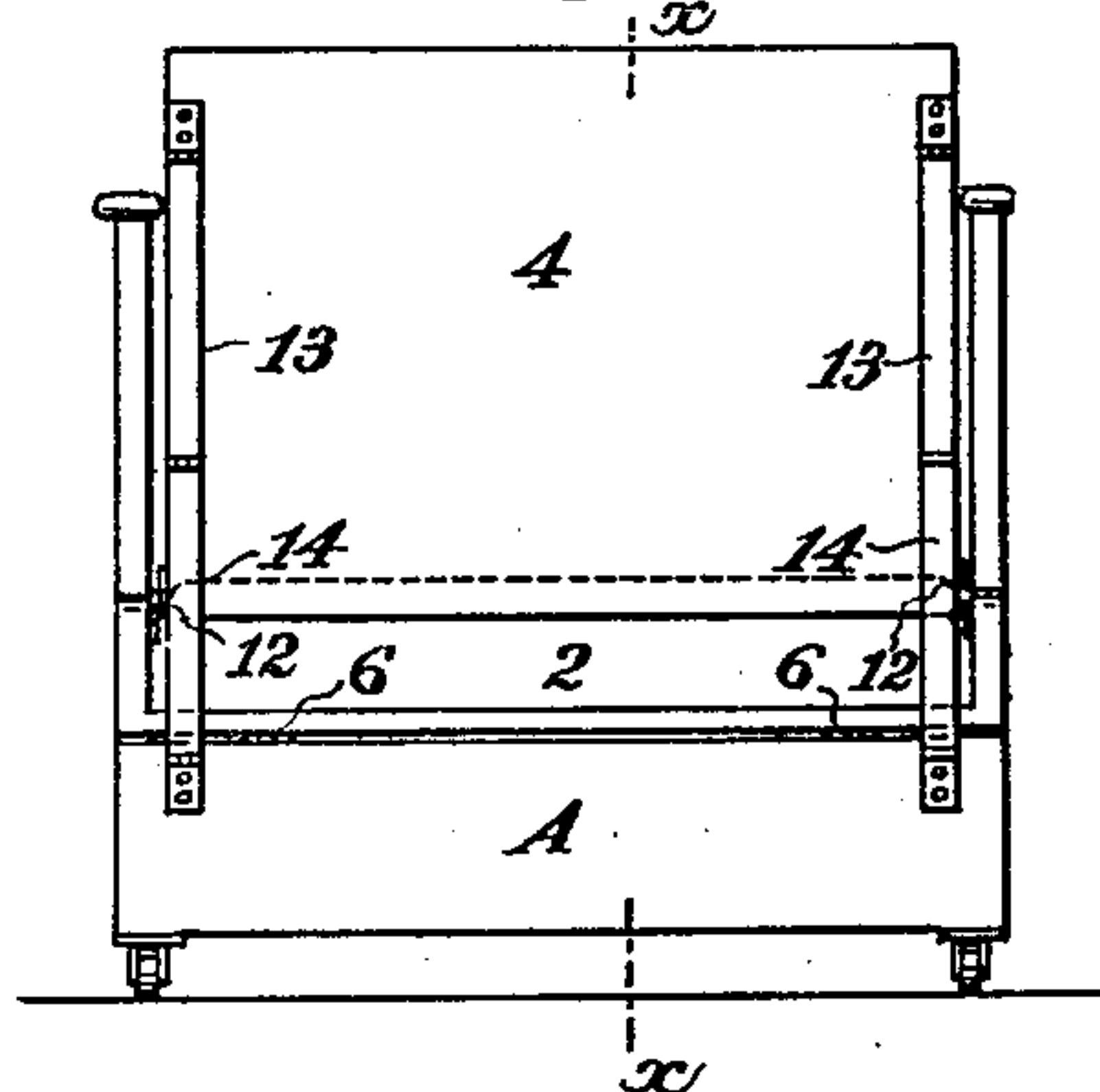
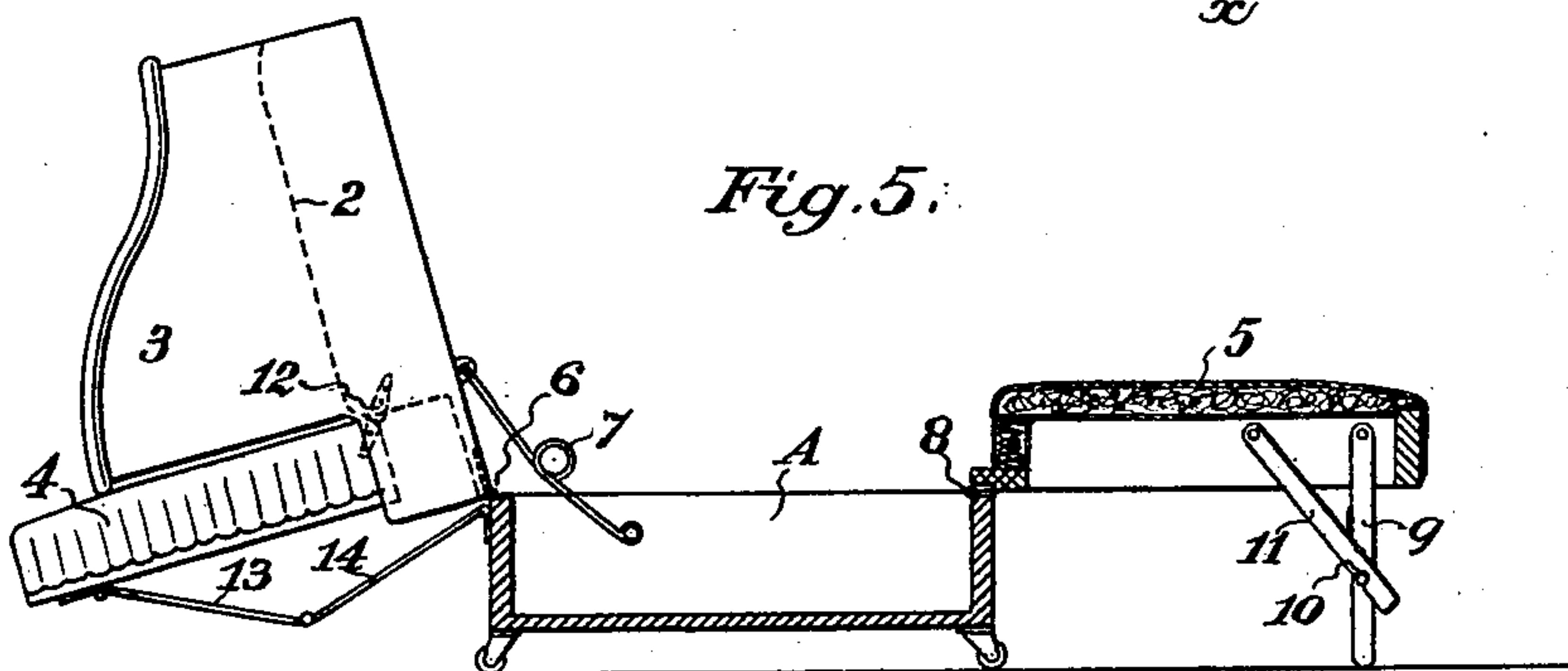


Fig. 5.



Witnesses,
E. A. Brandon
J. K. Morse

Inventor,
Amos Schrock
By Dwyer & Strong, atts

UNITED STATES PATENT OFFICE.

AMOS SCHROCK, OF SAN FRANCISCO, CALIFORNIA.

SOFA-BED.

SPECIFICATION forming part of Letters Patent No. 665,645, dated January 8, 1901.

Application filed May 15, 1900. Serial No. 16,759. (No model.)

To all whom it may concern:

Be it known that I, AMOS SCHROCK, a citizen of the United States, residing in the city and county of San Francisco, in the State of California, have invented an Improvement in Sofa-Beds; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improved article of furniture which is capable of being transformed from a sofa or davenport into a bed or couch.

It consists in the novel arrangement and hinging of the back, seat, and an internal hollow clothes-holding receptacle, so that the three may be extended into line transversely of the seat portion, and in an arrangement of supporting-legs for the extending portions.

It also comprises details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of my invention, showing the same arranged as a sofa. Fig. 2 is a similar view showing the sofa unfolded and converted into a bed. Fig. 3 is a section on the line *xx* of Fig. 4, sofa position. Fig. 4 is a rear view. Fig. 5 is a part section and side elevation showing method of unfolding.

The main structure consists of a base A, with suitable supporting-casters or the like, and upon this base is carried a seat 2, at each end of which are the arms or end sections 3. To this seat is hinged a back-section 4, and both are fully upholstered, so that when the back is in its vertical position we have a sofa or davenport with upholstered seat and back. Hinged to the front of the box A is a hollow box-shaped portion 5, fully upholstered upon one side, so that when it is unfolded and extended the upholstered portion is presented upwardly. This section 5 is of such size that when turned about its hinges it lies within the box A with the upholstered portion downwardly, and the other portion, which is presented upwardly, is hollowed and of a box shape and serves for the reception of bed-clothing and the like, so that such clothing may be placed in this portion of the device, and the seat and back being in their normal position for use as a sofa the box and the

bedclothing will be inclosed within the base and covered by the seat of the sofa.

In order to open the apparatus, the seat, back, and arm portions are first tilted backwardly about the common hinge 6, by which they are united to the base, and they are counterbalanced by a spring 7, having a suitable tension for the purpose. Having been tilted backward in this manner, the box-section 5, being first emptied of anything contained in it, is turned outwardly toward the front about its hinge 8, and the front end is supported by legs 9, which are pivoted at each end of this section and which have pins projecting from the side, as shown at 10.

11 represents braces having notches formed in the sides at such a point that they will engage with the pins 10 of the legs 9 when the latter are in vertical position and will thus lock them firmly in place.

When the apparatus is to be closed together, the notches are disengaged and the legs are folded with the braces 11, so that they lie alongside parallel with each other and contained within the ends of the section 5, where they are entirely out of the way.

When the portion 5 has been extended, the seat and back portions are turned back into their normal position, and by means of the hinges 12, by which they are united, the back is lowered, turning about these hinges until it is in line with the seat portion 3 and the box portion 5, which is already extended, as previously described. The device is then of sufficient length to form a bed in which these three sections form a bottom, and the length is transverse to the greatest length of the seat.

In order to support the back-section 4 when it is turned into the horizontal position, I have shown links 13 and 14, which are hinged together centrally, as shown at 15. The upper end of the link 13 is pivoted or fulcrumed to the upper portion of the back 4, and the lower end of the link 14 is correspondingly fulcrumed to the rear of the base A, which normally projects behind the vertical plane of the arms of the seat 2 and the arms 3 when the latter are in their normal position. This projection equalizes the thickness of the back and is sufficient to allow the links 13 and 14 to stand in line when the back is in its vertical position; but when the back is lowered

into its horizontal position the shortening of the distance between the fulcrum-points of the upper and lower ends of the links causes the joint 15 to be projected downwardly, so that the links form an angle with each other at this point, and this angle is sufficiently removed from the lower or rear portion of the back, so that it rests upon the floor when the back is fully extended, and thus sustains the back in the horizontal plane with the other two sections.

The bed thus formed is comfortable and convenient, and it is easily restored when not in use to its normal condition as a sofa.

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

1. The combination structure, consisting of a base, a seat and back portion hinged to each other and to the rear of the base and adapted to be opened about said latter connection and to be extended in a plane with each other, and a section hinged to the front of the base and provided with an open bottom serving as a receptacle for bedclothing, said section lying within the base and turnable outwardly about said hinges to stand in line with the other two sections, and foldable supporting-legs for the extended sections.

2. The combination in an article of furniture of a base, a seat and back portion hinged together and hinged to the base so that the back is extensible in the plane of the seat por-

tion, links hinged at top and bottom to the back and base respectively, and hinged together at their meeting ends so as to be extended when the back is unfolded and form a support therefor, an open-bottom, box-like section hinged to and foldable into the base with its hollow side upward and adapted to receive bedclothing, the opposite side of said section being upholstered so that when turned outwardly about its hinges, it lies in the horizontal plane of the seat portion, and foldable legs whereby said section is supported in its horizontal position.

3. The combination in an article of furniture of a hollow base, a seat and back portion hinged together and hinged to the base and capable of extension in the horizontal plane of the seat, a hollow section hinged to and foldable into the base with its hollow portion upwardly to form a receptacle, said section having the opposite side upholstered so that when turned outwardly about its hinges, the upholstered surface is in the plane of the seat portion, and legs with braces notched to engage said legs when extended, said braces and legs being foldable to lie parallel with each other within the ends of the box-section.

In witness whereof I have hereunto set my hand.

AMOS SCHROCK.

Witnesses:

BERTRAM ALBERTSON,
EMIL JABUSCH.