

No. 709,333.

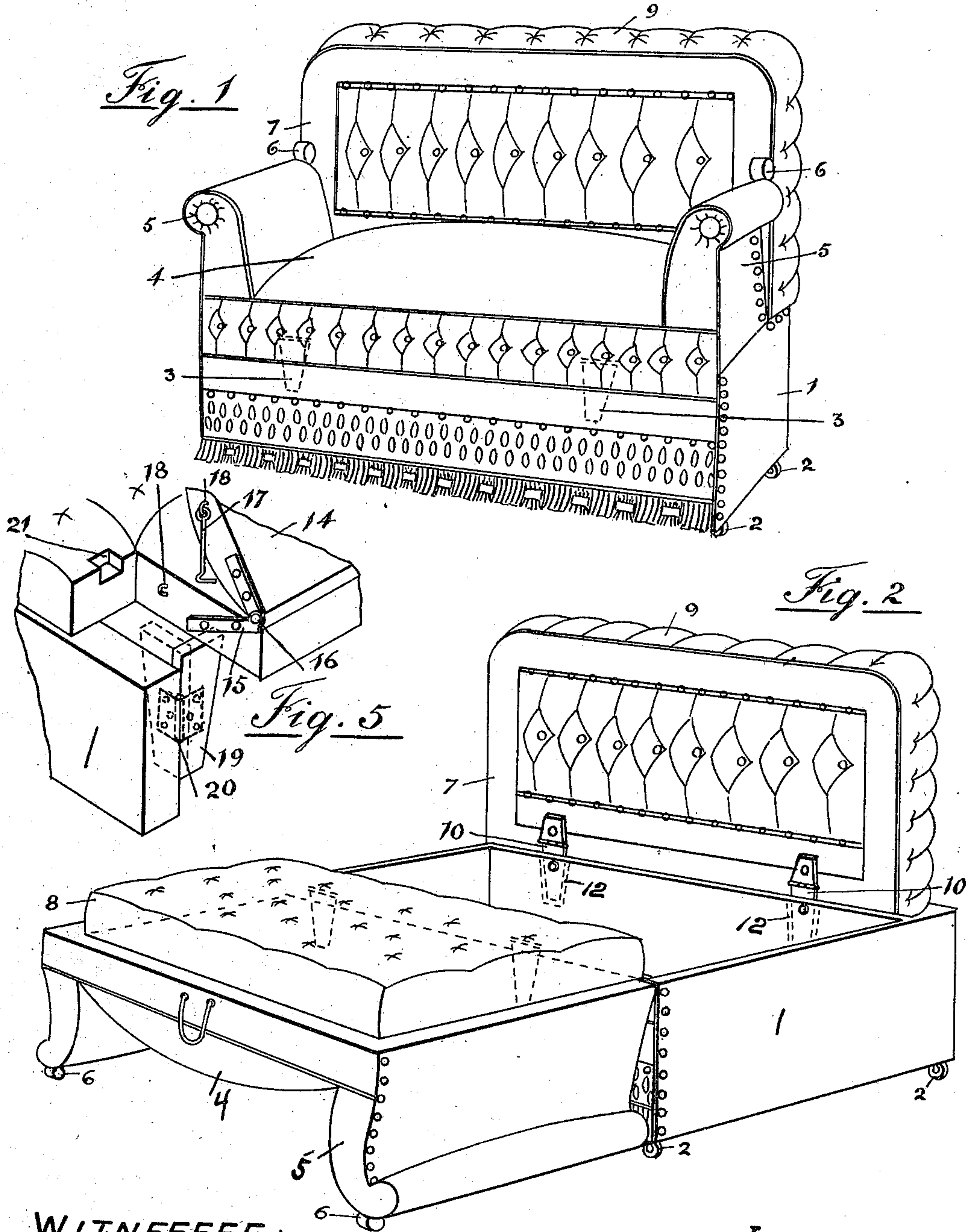
Patented Sept. 16, 1902.

L. KRAGEN.
CONVERTIBLE BED AND SOFA OR CHAIR.

(Application filed Nov. 25, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

K. Lockwood Nevine...

Cecelia Panning...

INVENTOR:

Louis Kragen...

By Francis M. Wright
Att'y.

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2 Sheets—Sheet 2.

Fig. 3

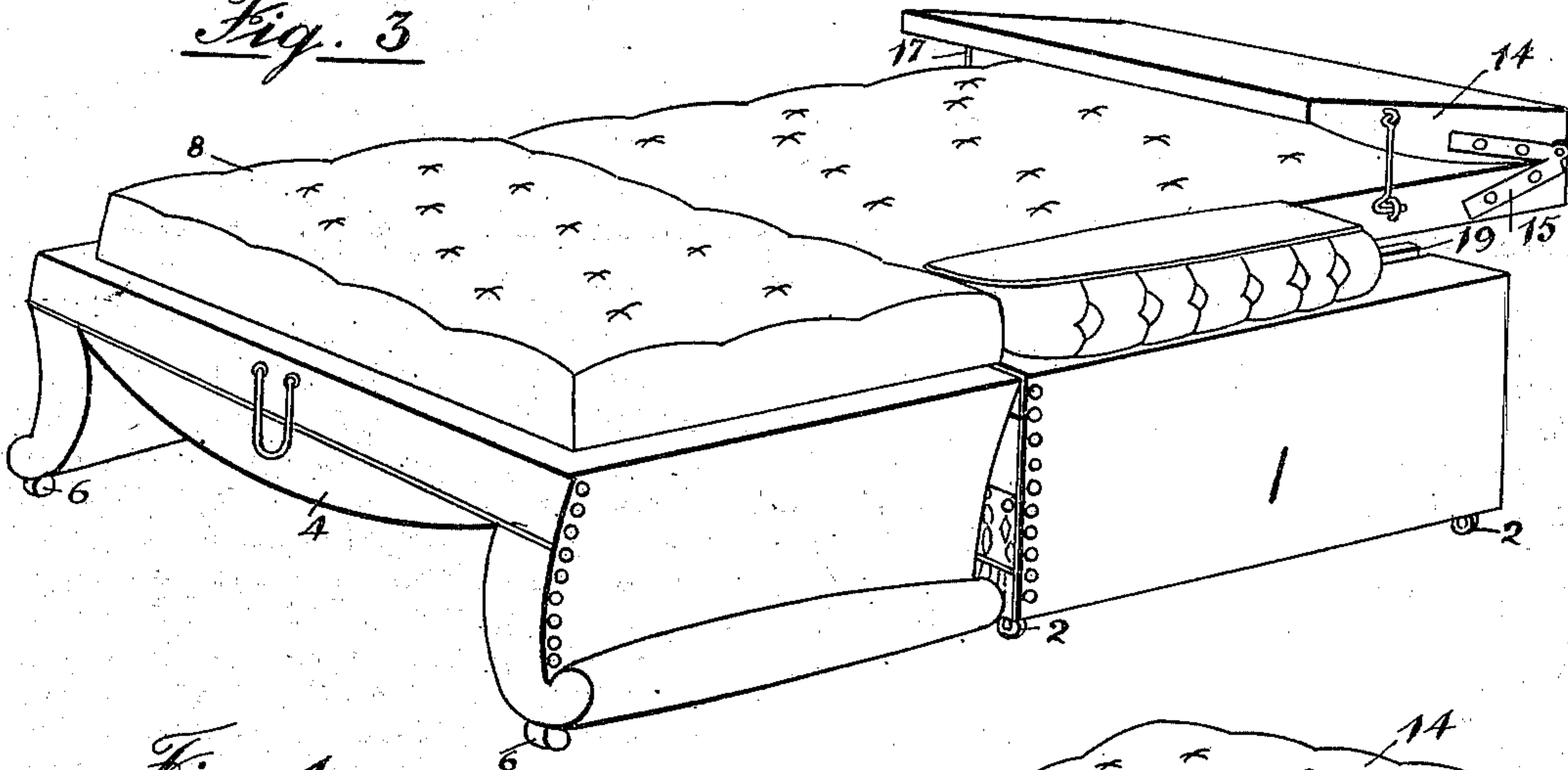


Fig. 4

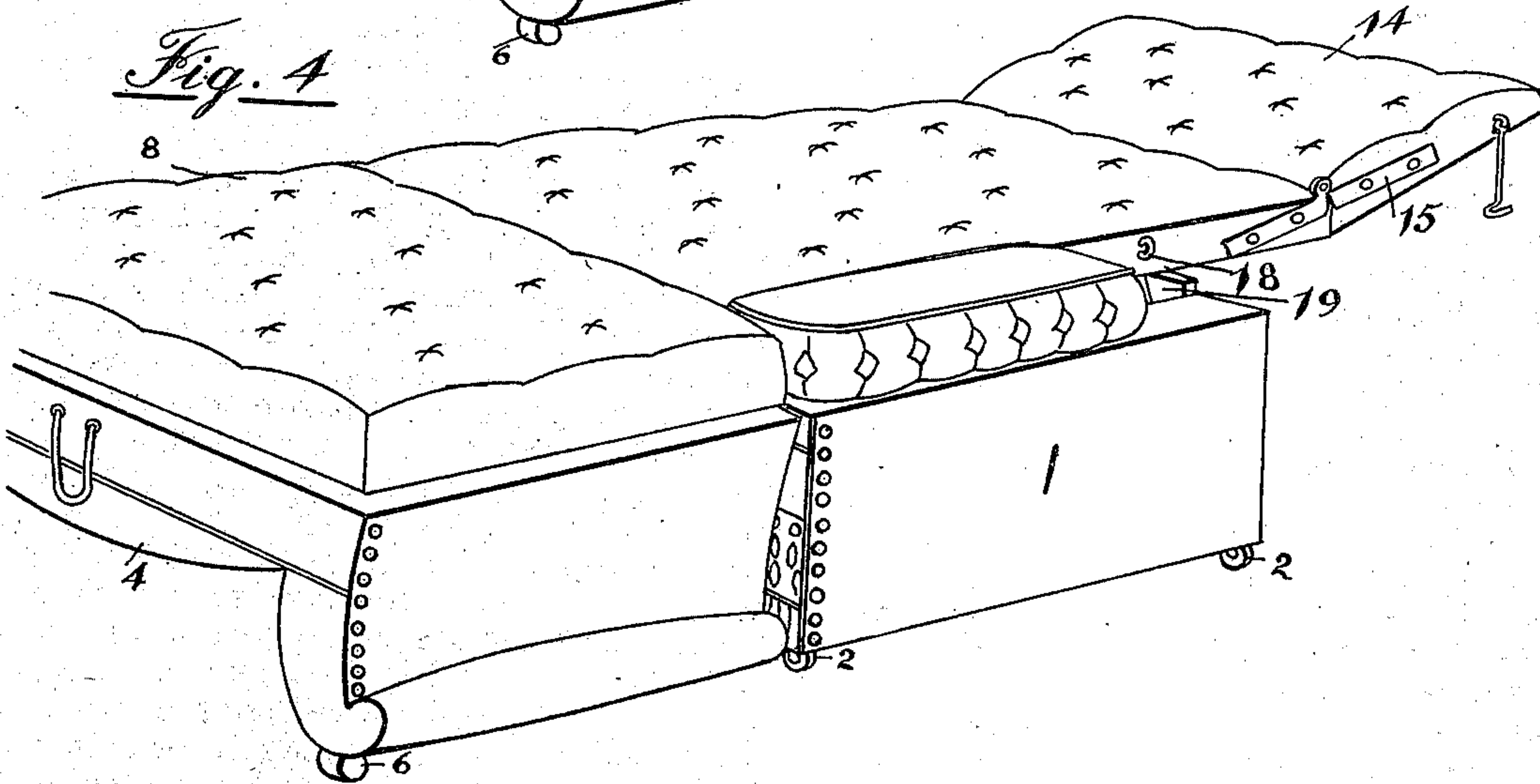


Fig. 6

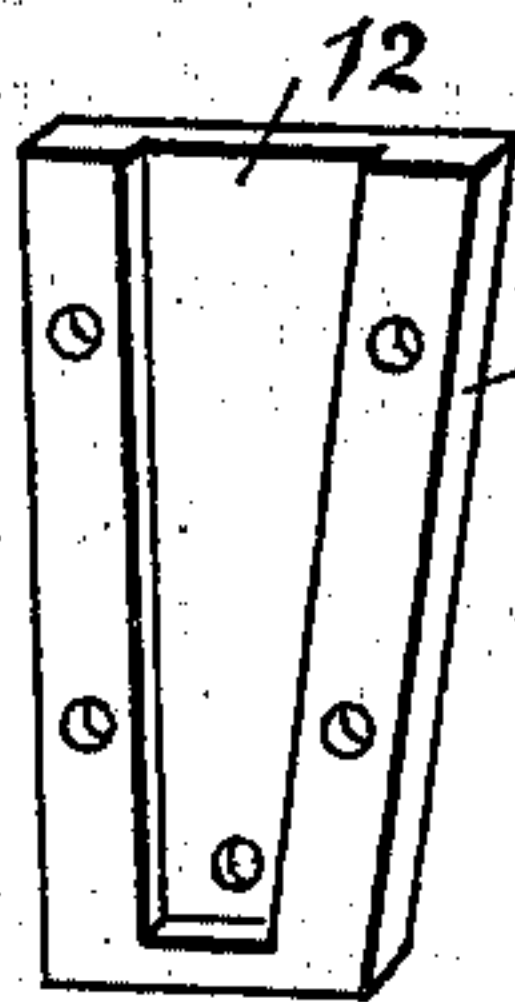


Fig. 7

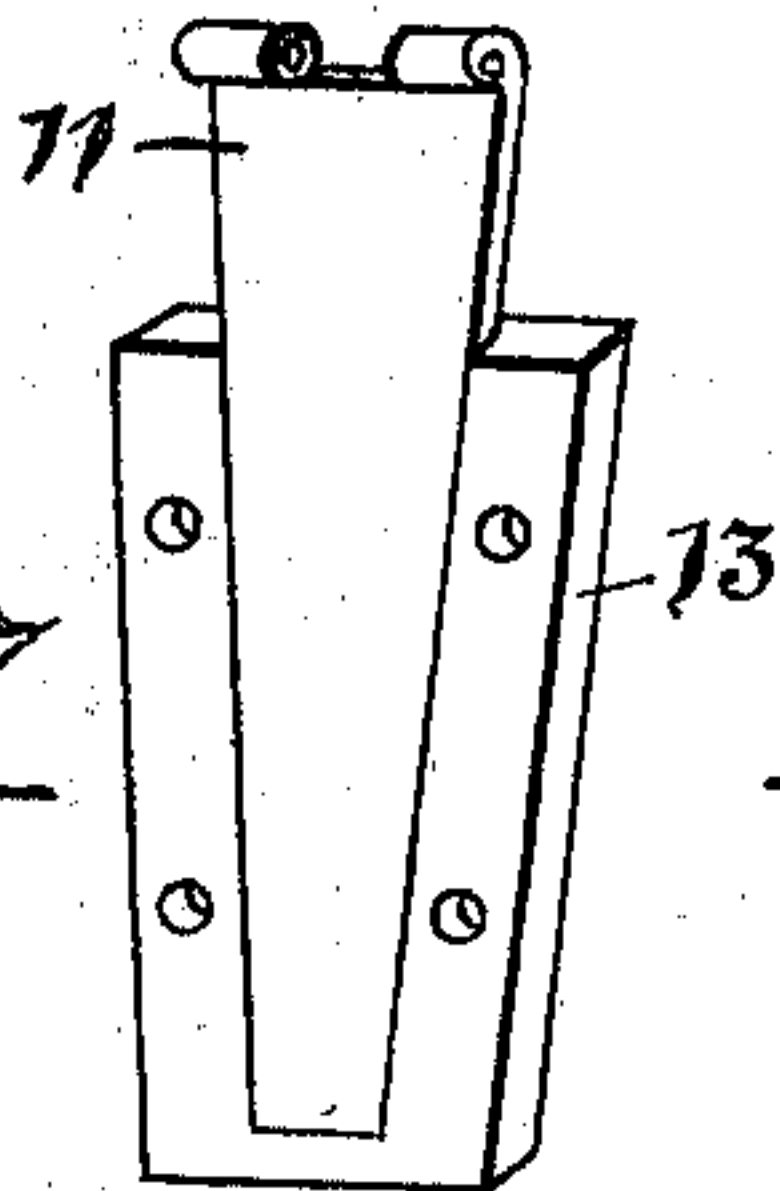
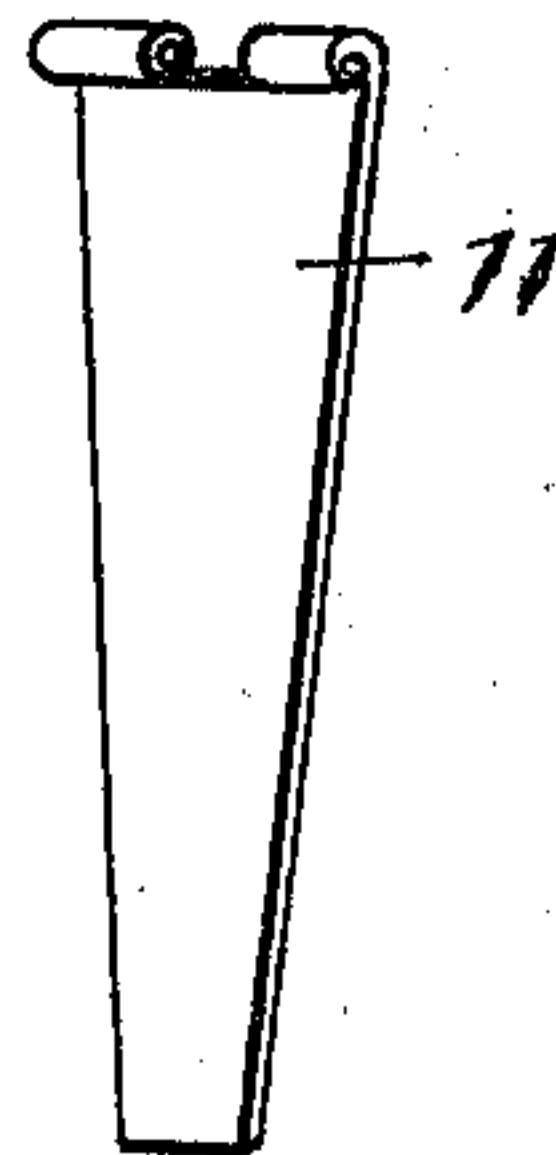


Fig. 8



WITNESSES:

K. Lockwood Nevins

Cecelia Downing

INVENTOR:

Louis Kragen

By *Francis M. Wright*
Atty.

UNITED STATES PATENT OFFICE.

LOUIS KRAGEN, OF SAN FRANCISCO, CALIFORNIA.

CONVERTIBLE BED AND SOFA OR CHAIR.

SPECIFICATION forming part of Letters Patent No. 709,333, dated September 16, 1902.

Application filed November 25, 1901. Serial No. 83,510. (No model.)

To all whom it may concern:

Be it known that I, LOUIS KRAGEN, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Convertible Beds and Sofas or Chairs, of which the following is a specification.

My invention relates to an improved convertible bed and sofa or chair, the object of my invention being to provide an article of this character which shall be simple and economical in construction and easy to convert from a sofa into a bed or chair, and vice versa, as desired.

My invention therefore resides in the novel construction, combination, and arrangement of parts for the above ends hereinafter fully specified, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the article folded to form a sofa. Fig. 2 is a similar view illustrating the first step of the operation of converting the same into a bed. Fig. 3 is a similar view showing the next step thereof. Fig. 4 is a similar view showing the article used as a bed. Fig. 5 is a perspective view of the rear corner of the article in the position indicated in Fig. 3. Figs. 6, 7, and 8 are detail views of a detachable hinge used in connection with the device.

Referring to the drawings, 1 represents an oblong box which forms the main support of the device, said box being mounted upon casters 2. To the front side of said box is hinged, as shown in dotted lines at 3, the seat 4 of the sofa, said seat 4 having fixedly secured thereon the arms 5, forming the ends of the sofa. In the first step of the operation of converting the sofa into a bed said seat is swung on its hinges through two right angles, so that the arms 5 now extend downwardly from the seat and the rear ends of the arms now come to the front and are supported upon the floor by means of the small knobs 6 formed on said arms. When the device is used as a sofa, said knobs rest against the wooden frame 7 of the back and are inconspicuous in such position. The under side of the seat has secured thereon a mattress 8, which when the seat is turned over forms part of the bed, as

shown in Figs. 2, 3, and 4. The next step in the operation of converting into a bed is to swing the back 9 so that the upper portion thereof is swung forwardly and downwardly, so as to rest upon the upper edges of the box, the lower portion thereof swinging upwardly into the position shown in Fig. 3. The back is hinged to the rear side of the box by means of hinges 10. (Shown in detail in Figs. 5, 6, 7.) The lower strap 11 of the hinge is tapering or wedge-shaped and is received in a similarly-tapering undercut groove 12 in a socket 13, secured upon the rear side of the box. By this construction the back of the device may be readily removed by sliding the straps 11 out of their sockets. The next step in the operation of converting into a bed is to turn over the headpiece 14, which is pivotally secured upon the lower edge of the back by means of the straps 15, pivoted together, as shown at 16. Said headpiece when the bed is folded together is secured to the back by means of the hooks 17 and staples 18. In order to firmly support the head portion of the bed when in use, there are provided swinging brackets 19, which are pivoted, as shown at 20 in dotted lines in Fig. 5, to the rear edge of the box, said brackets swinging outward underneath the back when the latter is in a horizontal position. When the device is closed up, the corners of said brackets rest in sockets 21, formed in the lower edge of the frame of the back.

While I have herein shown the invention as applied to a sofa, it is evident that it is equally applicable to an arm-chair, and the latter is a common form in which my invention is used.

I claim—

1. In a convertible bed and sofa or chair, the combination of a suitable support, a seat resting thereon when used as a sofa or chair and hinged upon the front side of the support and swinging forward to form a bed, said seat being provided with suitable means for supporting the same in a horizontal position when so swinging forward and a back pivoted on the rear side of the support and hinged to swing forward and rest upon the support to form a bed, said back having an extension below the surface upon which the seat rests, said extension having hinged there-

to a rear piece which swings outward in forming the bed, substantially as described.

2. In a convertible bed and sofa or chair, the combination of a suitable support, a seat resting upon said support when used as a sofa and hinged upon the front side of the support and swinging forward to form a bed, said seat being provided with means for supporting the same in a horizontal position when so swung forward, a back hinged upon the rear side of the support and having an extension depending below the support upon which the seat rests, said support having ends which are extended behind said hinges and past the sides of said extension of the back, substantially as described.

3. In a convertible bed and sofa or chair, the combination of a box, a seat hinged upon the front side of the box and swinging forward to form a bed, said seat having arms serving as supports therefor when so overturned, a back pivoted on the rear side of the box, the upper portion of the back being arranged to swing forwardly and rest upon the top of the box, and the lower portion of the back swinging rearwardly and upward, and brackets hinged to said box and swinging outward to support said lower portion of the back when raised, substantially as described.

4. In a convertible bed and sofa or chair, the combination of a suitable support, a seat resting upon said support when used as a sofa and hinged upon the front side of the support and swinging forward to form a bed, said seat being provided with suitable means for supporting the same in a horizontal position when so swung forward and having a mattress on its under side, and a pivoted back having an extension below its pivot said back being pivoted on the rear side of the support, the upper portion thereof swinging forward to rest upon the support in the place of the seat, and the extension swinging rearward and upward and projecting rearwardly or outwardly be-

yond said support when said back is so swung forward and downward, said back and extension having a mattress on the rear side, substantially as described.

5. In a convertible bed and sofa or chair, the combination of two main sections, one section comprising a seat, and the other section comprising a back and an extension below the pivotal point of said back, a suitable support upon which said seat and back are hinged to swing forward to form a bed, said seat and back having mattresses on their under sides respectively, and one of said sections having a supplementary piece hinged thereto to form an extension of said section, said supplementary piece having also a mattress on the upper side when so extended, substantially as described.

6. In a convertible bed and sofa or chair, the combination of a suitable support, a seat resting thereon to form a sofa or chair, hinged upon the front side of the support and swinging forward to form a bed, said seat being provided with suitable means for supporting the same in a horizontal position when so swung forward, and a back pivoted on the rear side of the support, the upper portion of the back swinging forwardly and resting upon the top of the support to form a bed, said back having an extension below the surface of the support upon which the seat rests, said extension swinging upward and rearwardly to form a bed and a supporting device movable independently of said pivotal connection and arranged to be moved beneath said extension when so swung upward and rearwardly to support the same, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

LOUIS KRAGEN.

Witnesses:

R. B. TREAT,

F. M. WRIGHT.