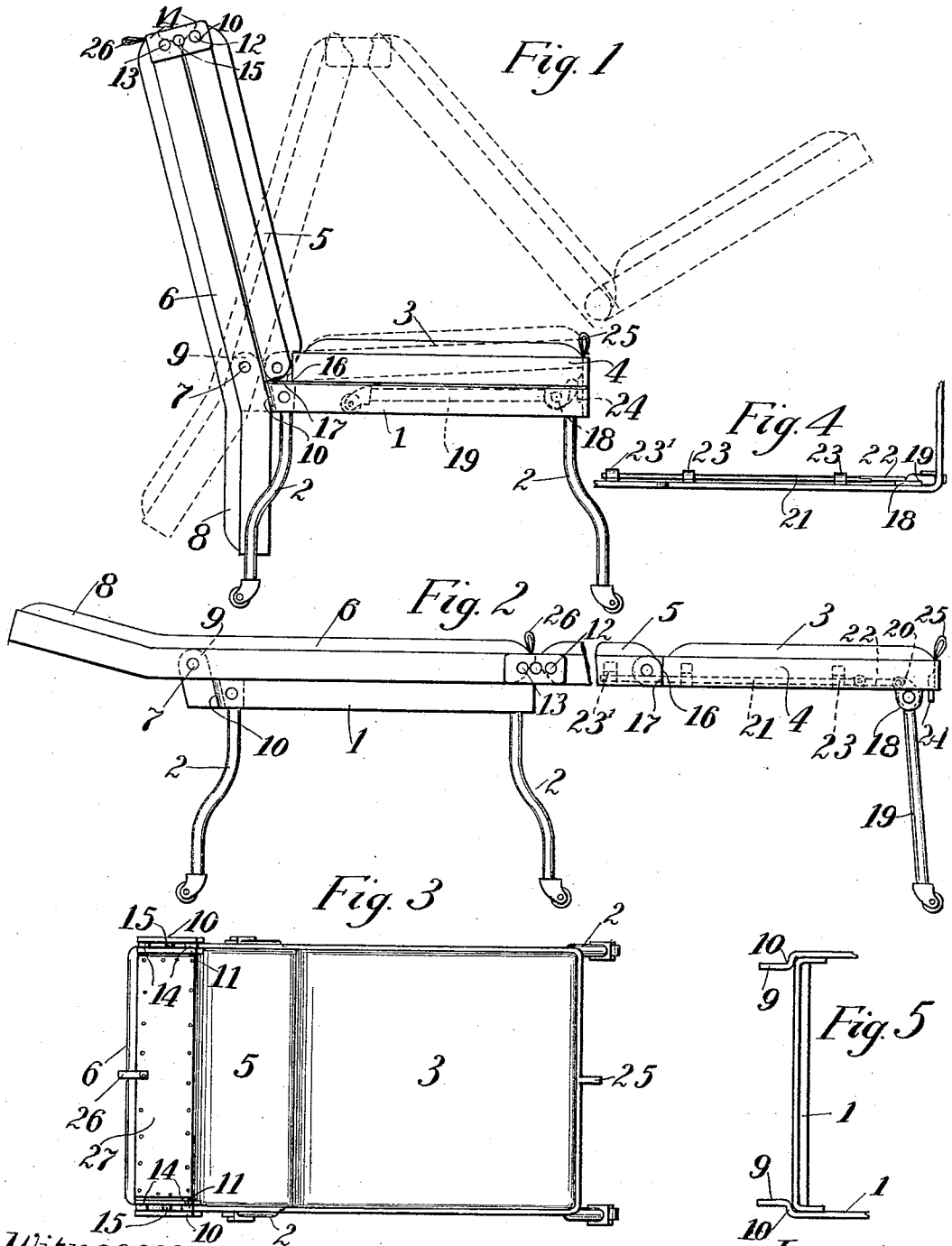


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 CONVERTIBLE CHAIR COUCH.  
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941,186.

Patented Nov. 23, 1909.



Witnesses:

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# UNITED STATES PATENT OFFICE.

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## CONVERTIBLE CHAIR-COUCH.

941,186.

Specification of Letters Patent.

Patented Nov. 23, 1909.

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*To all whom it may concern:*

Be it known that I, MAX BROWN, a citizen of the United States of America, and a resident of Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Convertible Chair-Couches, of which the following is a specification.

The main objects of this invention are to provide an improved form of convertible chair and couch or bed which is simple, inexpensive and durable in construction and which can be quickly and easily shifted from its normal position for use as a chair to its horizontally extended or couch position, or vice versa; to provide improved means for locking the parts against relative movement when extended; and to provide improved means for securing the parts against relative movement when folded. These objects are accomplished by the device shown in the accompanying drawing, in which—

Figure 1 is a side elevation of a chair-couch having a wrought iron frame, constructed according to this invention, the parts being shown folded for use as a chair. Fig. 2 is a side elevation of the same when horizontally extended for use as a bed, there being distance breaks in the middle for the purpose of reducing the size of the view. Fig. 3 is a top plan of the same with the parts in the position of Fig. 1. Fig. 4 is a detail of the locking means between the seat and back sections. Fig. 5 is a detail of the construction of the rear part of the supporting frame showing the shoulders for limiting the inclination of the back when in its upright position.

In the construction shown in the drawing, the supporting frame 1 is carried by legs 2 of any suitable design. The seat section 3 normally rests on the frame 1 and comprises a frame-work 4 upon which is secured the upholstery. The back section 5, similar in construction to the seat section 3, is hinged thereto at its lower end and has hinged at its upper end a third section or extension 6, which extends downwardly at the rear thereof and which in turn is hinged to the supporting frame 1 at 7. This hinge or pivot 7 is the only direct connection any of the parts have with the frame 1. Integral with the extension 6 is the inclined head support 8.

At the rear of the supporting frame 1 are

the upwardly extending lugs 9 to which the section 6 is hinged. These are offset inwardly so as to engage the inner surfaces of the side bars of the section 6 and allow said side bars to rest upon the sides of the frame 1 and in the same vertical plane therewith. The lugs 9 extend upward, so that when the parts are extended, the extension 6 will lie along and rest upon the frame 1, as shown in Fig. 2. The offset of the lugs 9 provides shoulders 10 against which the extension 6 bears, thus limiting its rearward inclination when the parts are in the position of Fig. 1.

The hinge connecting the back section 5 and the extension 6 comprises two pairs of plates 10 and 11, one at each side of the respective side bars and pivoted thereto at 12 and 13 respectively. The back section 5 and the extension 6 have formed thereon adjacent to the pivots 12 and 13 the shoulders 14, which abut against each other and bear on the rivet or shoulder 15 when the parts are extended. This construction permits the connected parts to be extended to their position of horizontal alinement, but prevents the joints from breaking down beyond such alinement.

The hinge connecting the seat section 3 and the back section 5 is of a half joint construction and has the abutting shoulders 16 and 17 respectively on the seat section 3 and the back section 5 for limiting the extension at this joint.

The lugs 18 on the frame-work 4 of the seat section 3 are offset inwardly a distance equal to the thickness of the material, so that they may bear against the inner face of the supporting frame 1 and prevent any side-wise movement of the seat section 3. To these lugs 18 are pivoted the legs 19, which are folded up under the seat section 3 when the device is being used as a chair. The upper end of each leg 19 is formed into an arm 20 extending toward one side of the pivoted axis of the leg 19. The bolt 21 is connected to the arm 20 by means of the link 22 and is slidably mounted in the lugs 23 so as to engage the lug 23' when the sections 3 and 5 are in alinement. After said sections are in alinement, they may be locked by turning down the legs 19 and thereby shifting the bolts 21 into the holes in the lugs 23'.

One or more lugs 24 at the front of the seat section 3 engage the inner face of the frame 1 and secure the seat against shifting forward when in the folded position. This interlocking of the seat section and frame 1 rigidly secures the parts in their relative position for use as a chair. Straps 25 and 26 are attached to the seat section 3 and extension 6 respectively for shifting the parts from one position to another. A piece of material 27, like that with which the upholstery is covered, is tacked or otherwise secured to the back section 5 and extension 6 so as to hide the space between them and thus gives the chair a more finished appearance.

The operation of the device is as follows: Assuming the device to be in position for use as a chair, as shown in Fig. 1, the operator grasps the straps 25 and 26; after lifting the front of the seat section 3 so that the lugs 18 and 24 are clear of the frame 1, as shown by dotted lines in Fig. 1, he carries the seat section 3 forward controlling the downward movement of the extension 6 with the hand holding the strap 26. The relative positions of the parts during the second step are also shown in Fig. 1 by dotted lines, that of the seat and back sections not changing until the extension 6 is resting on the frame 1. The operator then exerts a pressure on the under side of the back section 5 near the joint and brings the seat section 3 and back section 5 into horizontal alinement. The legs 19 are swung down into position for supporting the seat section 3 and the bolts are thereby caused to engage the lugs 23' on the under side of the back section 5, thus locking the joint between the sections 3 and 5 and insuring rigidity of the structure under the weight of an occupant. When it is desired to return the parts to their normal position for use as a chair, the legs 19 are folded up under the seat section 3, which causes the bolts 21 to be retracted from the lugs 23' and thereby unlocks the joint connecting the sections 3 and 5. Then by lifting upwardly on the strap 26 and exerting a rearward pull on the strap 25 the parts are readily brought to their normal position. The rearward movement of the extension 6 is limited by the shoulders 10 against which the sides of the extension 6 bear, which in turn limits the inclination of the back. The lugs 18 and 24 readily slip into place and secure the parts against any endwise or side-wise movement.

What I claim as my invention and desire to secure by Letters Patent is—

1. The combination of a supporting frame, a seat section supported thereon, a back section hinged to said seat section, an extension hinged to said back section and to said frame, all arranged to be folded for use as a seat and extended for use as a bed, said seat section

and frame being shaped to rest one above the other when in their folded position and said seat section being mounted to permit it to be lifted relatively of the frame when in folded position, and co-acting shoulders on said seat section and frame for securing the sections in their folded position, said shoulders being located so as to be released from engagement with each other through the lifting of said seat section.

2. The combination of a supporting frame, a seat section supported thereon, a back section hinged to said seat section, an extension hinged to said frame and to said back section, said parts being adapted to be folded for use as a seat or horizontally extended for use as a bed, a folding leg for supporting said seat section when said parts are horizontally extended, and means operated by said leg for locking said seat and back sections against relative movement.

3. The combination of a supporting frame, a seat section supported thereon, a back section hinged to said seat section, an extension hinged to said back section and to said frame, all arranged to be folded for use as a seat and extended for use as a bed, lugs on said seat section, legs pivoted to said lugs for supporting said seat section when said parts are horizontally extended, said lugs being adapted to engage with said frame for securing said parts against movement when in their folded position.

4. The combination of a supporting frame, a seat section supported thereon, a back section hinged to said seat section, an extension hinged to said back section and to said frame, all arranged to be folded for use as a seat and extended for use as a bed, said seat section and frame being shaped to rest one above the other with flush outer edges when in their folded position, and co-acting shoulders on said seat section and frame for securing the same against relative lateral and endwise shifting when in their folded position.

5. The combination of a supporting frame, a seat section adapted to be supported thereby, a back section hinged to said seat section, an extension hinged to said back section and extending downwardly at the rear thereof and being also hinged to said supporting frame, said sections and extension being adapted to be extended in substantial horizontal alinement, a hinged part adapted to support said seat section when in its extended position and foldable against the seat section when the parts are in their folded position, and means for securing said parts in their extended position.

6. The combination of a supporting frame, a seat section adapted to be supported thereby, a back section hinged to said seat section, an extension hinged to said back section and extending downwardly at the rear thereof and being also hinged to said supporting

frame, said sections and extension being adapted to be extended in substantial horizontal alinement, a hinged part adapted to support said seat section when in its extended position and foldable against the seat section when the parts are in their folded position, means for securing said parts in their extended position, and a head piece rigidly connected with said extension and extending

rearwardly beyond the hinged connection of said extension to the supporting frame. 10

Signed at Chicago this 9th day of September, 1908.

MAX BROWN.

Witnesses:

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