

S. SHUMSKY.
SOFA BEDSTEAD.

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1,184,142.

Patented May 23, 1916.

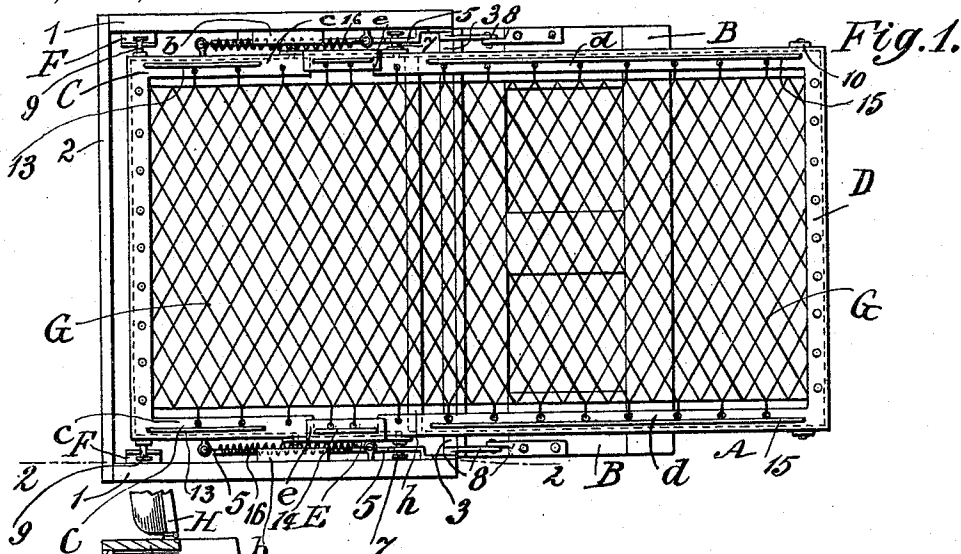


Fig. 2.

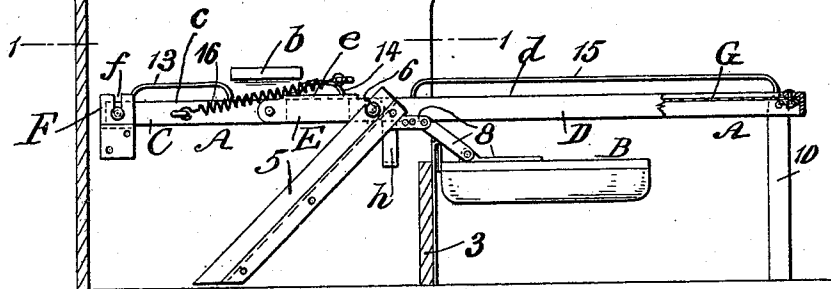
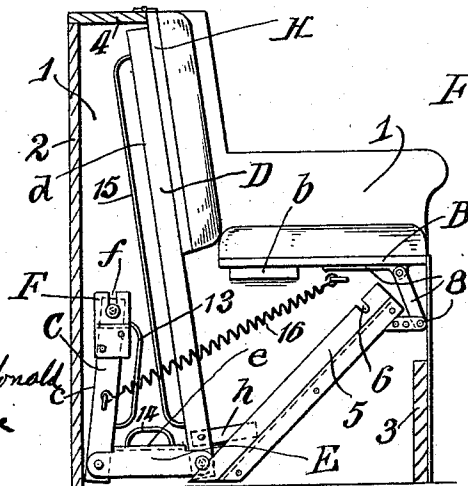


Fig. 3.



WITNESSES:

Genevieve Macdonald
Freda Eckle

INVENTOR

Solomon Shumsky

BY

John H. Bremer

ATTORNEY

UNITED STATES PATENT OFFICE.

SOLMON SHUMSKY, OF BROOKLYN, NEW YORK.

SOFA-BEDSTEAD.

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To all whom it may concern:

Be it known that I, SOLMON SHUMSKY, a citizen of the United States, and resident of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Sofa-Bedsteads, of which the following is a specification.

This invention relates to convertible furniture of the sofa-bed variety.

The objects of the invention are to provide an article of furniture of this character which, in its initial or folded form, takes up a comparatively small amount of floor-space; which provides ample inclosed space for containing a mattress and bed-clothing; which is susceptible of considerable extension in its bed form; which is inexpensive and simple in construction; and which comprises a fixed supporting casing and a detachable frame-work embodying folding sections, whereby the parts of the structure may be disconnected to admit of cleaning and for purposes of transportation; the parts being of novel construction adapted to provide practical structures in both its bed and sofa forms.

The invention will be hereinafter fully described and specifically set forth in the annexed claims.

In the accompanying drawings forming a part of this specification, Figure 1, is a plan view of my improved article of furniture, taken on the line 1—1, of Fig. 2, and shown in its extended or bed-form; Fig. 2, a vertical sectional elevation taken on the line 2—2, of Fig. 1; and Fig. 3, is a similar view showing the structure folded in sofa-form.

In the example of my invention as shown by the drawings, I employ primarily a fixed casing comprising means for supporting and inclosing the folding parts of the device and embodying the end pieces 1, back 2 and front piece 3; bridging the two end pieces is a top piece 4, having an upholstered seat-back H, hinged thereto. Secured to the inner surface of each end piece 1, is a supporting rail 5. These rails are respectively provided with a slot 6, for engagement with pins 7, of an outer frame section of the folding mattress-supporting frame A, hereinafter described, and they are respectively extended downwardly at an angle from the front of the casing.

Hinged to the end pieces 1, by means of the three-part hinges 8, is an upholstered and cushioned frame B, making a seat, when the device is used as a sofa, and which is

adapted to swing downwardly and outwardly when the structure is in its extended or bed-form and inwardly when the device is folded; the three-part hinges 8, admitting of these movements whereby the frame B, is maintained out of contact with the folding frame of the device and free movements thereof is assured. When folded the inner end part of the frame B, rests upon extensions *b*, of the end pieces 1.

The folding mattress-carrying frame A, comprises the angle-iron inner section C, the angle-iron outer section D, having the cross brace *h*, and the intermediate section E, the last named section being pivoted respectively to the inner ends of the side parts *c* and *d*, of the sections C and D, and comprising the two oppositely located angle-iron pieces *e*, *e*. The horizontal flanges of said pieces *e*, when the mattress-supporting frame is extended as shown in Figs. 1 and 2, of the drawings, bear on the upper surfaces of the overhanging flanges *c* and *d* of the sections C and D, whereby a practically rigid and extended frame-structure is provided. The section C, is connected to the end pieces 1, of the casing by means of the fixed hangers F, which are respectively provided with a slot *f*, acting as a bearing for supporting-pins 9, said pins are extended from opposite sides of the rear end of the section C. These slotted hangers admit of ready removal of the folding frame-work A, when desirable for purposes of either cleaning or transporting the device.

Folding legs 10, are pivoted to the outer end of the said section D, for the purpose of providing an auxiliary support for the frame when the device is extended and used as a bed. Extended horizontally, when the device is used as a bed, and stretched taut across the framework A, and secured thereto by suitable connections is a woven wire fabric G, which is adapted for supporting a mattress and bed-clothing; to prevent lateral displacement of said mattress side rails 13, 14 and 15 are fixed respectively to the upper surfaces of the parts *c*, *e* and *d*, of the frame sections C, E and D.

To assist in the operation of upwardly swinging the frame section C spiral springs 16, are connected at one end to the end pieces 1, and at the other end of the parts *e*, of said frame section C.

When the device is folded the pins 7, of the framework A, bear upon the lower parts of the angularly extended rails 5, and

when the device is extended into bed-shape said pins engage the slots 6, of said rails; the lower, or bearing parts of said slots 6, are located upon a horizontal line extended through the lower, or bearing parts of the slots 7, of the hangers F, whereby when the folding framework is extended its sections are all located upon a horizontal line.

In the operation and use of the invention, when it is desired to convert the device from its initial or sofa-form to that of a bed, it is first necessary to swing the seat-frame B, into position shown by Fig. 2, of the drawings and then swing the back H, upwardly into position also shown by Fig. 2, then simply swing the section D, downwardly and outwardly until it assumes a horizontal position; this movement coördinately operates the other connected parts and places the structure in position ready to receive a mattress and bed-clothing, the woven wire fabric G being stretched taut and on a horizontal plane, and the parts c, e and d, now forming sides of a practically continuous frame all parts thereof being on a horizontal plane. When reconverting the device into form of a sofa the section D is swung and slightly lifted upwardly to a sufficient degree to lift the pins 7 from slots 6, of the rails 5, said action allowing said pins to slide downwardly on said rails until the device is folded into position shown by Fig. 3, of the drawings.

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

1. In a sofa-bedstead, the combination, with a folding and removable mattress-carrying frame comprising an inner swinging section having supporting-pins, an outer swinging section having supporting-pins, and an intermediate section and means pivoting said sections together, and a woven wire fabric carried by and between said sections; of a fixed support comprising end pieces, and guide rails and hangers on said end pieces, said guide rails and hangers respectively having slots for engaging said pins, the pins of the forward section adapted

to slide in the guide rails, substantially as shown and described.

2. In a sofa-bedstead, the combination, with a foldable and mattress-supporting frame comprising an inner swinging section having laterally extended supporting-pins, an outer swinging section, having laterally extended supporting pins, and an intermediate section, said sections being pivotally connected to each other, and a woven wire fabric carried by and between said sections; of a fixed support comprising end pieces, a front piece, a back piece and a top piece, and slotted angularly extended rails on said end pieces, said rails having each a slot at its upper end part, and hangers each having a slot, said slots adapted for engaging said pins, the pins of the forward section adapted to slide in the guide rails substantially as shown and described.

3. A sofa-bedstead comprising a fixed casing embodying end pieces and cross connections, and a swinging cushioned and upholstered framework making a back, said back adapted to be swung to allow free movements of the foldable parts of the device, and a swinging upholstered and cushioned framework making a seat, and three-part hinges connecting said seat to said end pieces, and a foldable and removable mattress-carrying frame consisting of an inner section having laterally extended pins, an outer section having laterally extended pins, and an intermediate section, and foldable mattress-supporting means connected to said mattress-carrying frame, and means pivoting said sections to each other, and means comprising slotted rails and slotted hangers for supporting said framework, said parts engaging said laterally extended pins substantially as shown and described.

In testimony that, I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this 15th day of September, 1914.

SOLMON SHUMSKY.

Witnesses:

GENEVIEVE MACDONALD,
FRIEDA ECKLE.