S. SHUMSKY.

SOFA BEDSTEAD.

APPLICATION FILED FEB. 7, 1920.

1,374,961. Patented Apr. 19, 1921.

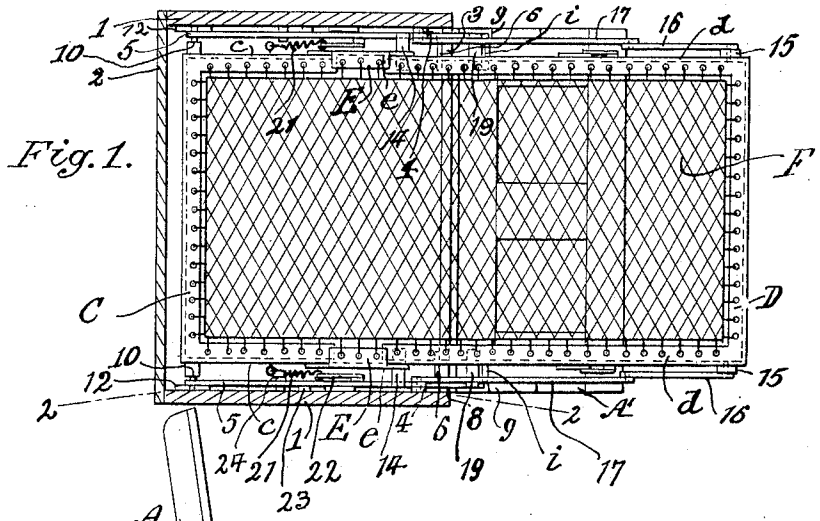


Fig. 1.

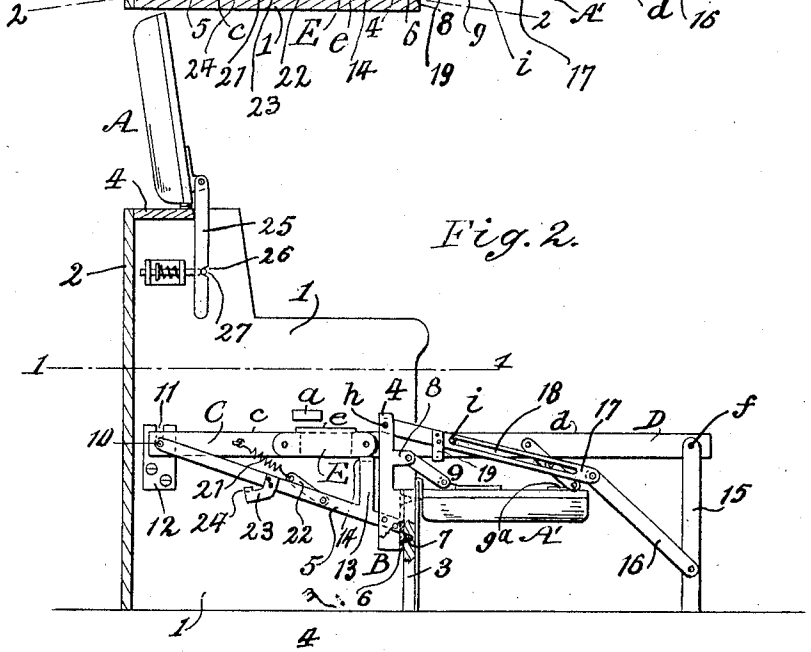


Fig. 2.

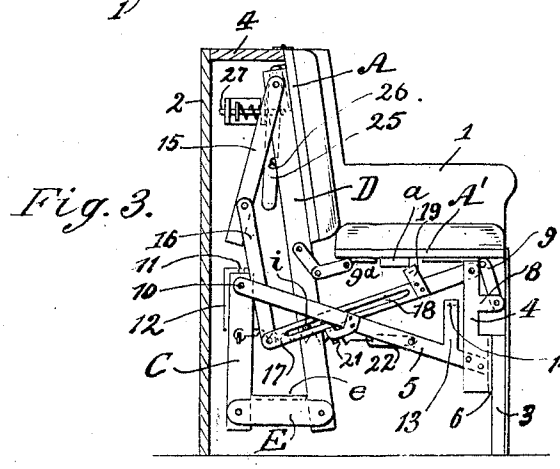


Fig. 3.

INVENTOR

Solmon Shumsky

BY Johnson & Dommers

ATTORNEY

UNITED STATES PATENT OFFICE.

SOLMON SHUMSKY, OF BROOKLYN, NEW YORK.

SOFA-BEDSTEAD.

1,374,961. Specification of Letters Patent. Patented Apr. 19, 1921.

Application filed February 7, 1920. Serial No. 357,074.

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 being to provide an article of furniture of the character named which, in its initial or folded form, occupies small lateral floor-space and embodies an ornamental sofa or chair-structure having ample space for containing an inclosed mattress and bed-clothing; which may be readily extended into its bed form; which is inexpensive and simple in construction; and which comprises an ornamental wooden supporting casing and a folding metal framework of novel construction and comprising several parts correlatively arranged whereby all parts of the structure may be disconnected to admit of cleaning and for purposes of transportation; the parts being of 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 A, hinged thereto.

Secured to the inner surface of the front-piece 3, are two supporting brackets B, which respectively comprise an upright 4, and an inwardly directed arm 5, which is extended at an angle upwardly from a point near the bottom of the upright 4; the said uprights are each provided with a lateral, inwardly directed base plate 6, which is secured to the front piece 3, by means of screws 7.

The casing hereinbefore described is preferably composed of wood having desirable ornamentation, and the folding and swinging parts inclosed and supported thereby are composed of metal, as iron or steel.

Hinged to extensions 8, of the uprights 4, by means of the two-part hinges 9, is an upholstered and cushioned frame A′, 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; three-part hinges 9^a are also connected between a section D, of a mattress-supporting frame, hereinafter described, to act as suspending means and for holding the frame A′, out of contact with said mattress-supporting frame of the device. When the device is folded the under surface of the end parts of the frame A′, rests upon extensions *a*, of the end pieces 1.

The folding mattress-carrying frame comprises the angle-iron inner section C, the angle-iron outer section D, and the intermediate section E, the last named section be 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 surface 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 and between the arms 5, of the supporting brackets B, by means of pins 10, which also engage slots 11, of plates 12, which are secured to the end pieces 1, said pins are extended from opposite sides of the rear end of the section C. As a means for providing auxiliary support for the mattress-carrying frame the arms 5, are respectively provided with an upright extension 13, having an inwardly extended lateral part 14, which bears beneath the joint connecting the parts D and E, when the mattress-supporting frame is extended for use as a bed.

Folding legs 15, are pivoted to fixed pins *f*, on the sides of the outer end of the said section D, for the purpose of providing further support for the frame when the device is used as a bed. These legs near their free ends are respectively in pivotal engagement with connecting-rods 16, which pivotally

connect with rods 17; said rods 17, swing on fixed pins *h*, extended from the upper ends of the uprights 4, of the supporting brackets B, and they are respectively provided with a slot 18; the said slots 18, engage laterally extended pins *i*, which are fixed to the respective sides of the frame section D, to limit the downward movements of the rods 17, and maintain rigidity of the structure when opened for use as a bed; said rods 17, are further provided with L-shaped stops 19, which assist to support the sections D, when the mattress-engaging frame is extended.

Extended horizontally, when the device is used as a bed, and stretched taut across the framework sections C, D, and E, and secured thereto by suitable connections is a woven wire fabric F, which is adapted for supporting a mattress and bed-clothing.

To assist in the operation of swinging the frame section C, spiral springs 21, are connected at one end to said sections, and at the other end to swinging rods 22, which are in pivotal engagement with the arms 5, of the brackets B. The arms 5 of the brackets B, are also provided with lugs 23, having lateral extensions 24, for supporting the rods 17, when the device is folded. The back A, is provided with a swinging latch 25, having a notch 26, which engages a spring-pressed bolt 27, employed to hold the back in open position shown by Fig. 1, of the drawings.

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 back A into position shown by Fig. 2 of the drawings and then extend the mattress-supporting frame into position also shown by Fig. 2; this movement of the frame sections coördinately operates the other swinging and foldable metal parts and places the structure in position ready to receive a mattress and bed-clothing, the woven wire fabric F, being stretched taut and on a horizontal plane, and the parts C, E, and D, now forming sides of a practically continuous frame having all parts thereof on a common horizontal plane. When reconverting the device into form of a sofa the section D, is swung and lifted upwardly and then moved downwardly and inwardly, said action causing correlative movements of the other connected folding and swinging parts until the device is folded into position shown by Fig. 3, of the drawings. Then the seat-back A, is swung downwardly into position whereby all bed-parts are concealed.

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

1. A sofa-bedstead comprising a casing having end pieces, a front and back, and a cushioned swinging seat-back, and a cushioned swinging seat, and supporting brackets each having an obliquely extended arm and an upright arm, and a mattress-supporting framework consisting of an inner section, an intermediate section and an outer section, said sections being in pivotal engagement with each other, said obliquely extended arms in pivotal engagement with said inner section, and said upright arms bearing beneath the joint of said intermediate and outer sections.

2. A sofa-bedstead comprising a fixed support embodying a back piece, end pieces and a front piece, and a cushioned swinging back, and a cushioned swinging seat, and a folding mattress-carrying frame consisting of an inner swinging section, an outer swinging section and an intermediate section, pivotal connections for said sections, and a woven wire fabric carried by and between said sections, and brackets fixed to said front piece and having each an obliquely extended arm in pivotal engagement with said inner section, said mattress-supporting frame adapted to be alternately folded and extended, swinging legs pivoted to said outer section, connecting-rods pivoted to said legs, and slotted rods pivoted to said connecting-rods and engaging fixed pins on the outer one of said sections, and hinge means connecting said seat with said frame and brackets.

3. A sofa bedstead comprising a support, and a foldable mattress-carrying frame comprising an inner section having laterally extended pins, an outer section having laterally extended pins, an intermediate section, means pivoting said sections to each other, brackets for supporting said frame, slotted rods swinging from said brackets and engaging the pins of said outer section, connecting rods, and swinging legs, said connecting rods being connected between said slotted rods and swinging legs whereby movement of the outer swinging section operates them, 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 20th day of January, 1920.

SOLMON SHUMSKY.

Witnesses:
H. I. JACOBS,
SAMUEL LEVINE.