July 21, 1942. J. LUMIA 2,290,598

TWIN SLIDE FASTENER MATTRESS FOR STUDIO COUCHES, SOFA BEDS, ETC

Filed April 16, 1941

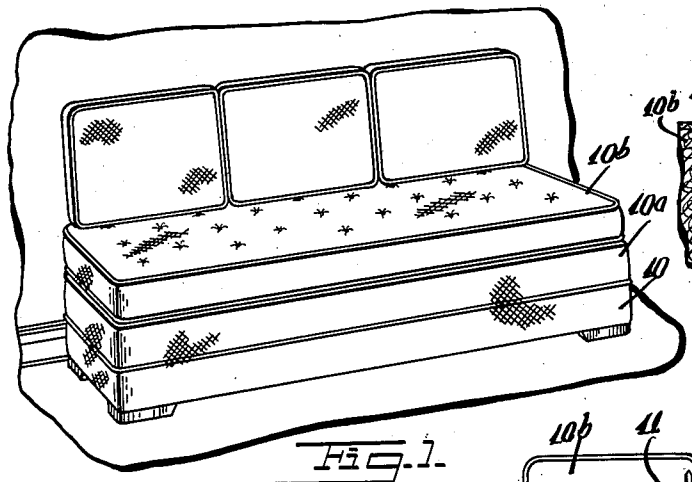


Fig. 1.

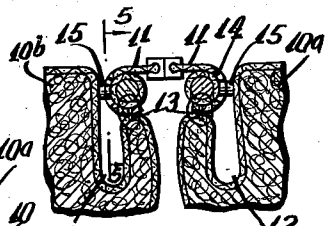


Fig. 3.

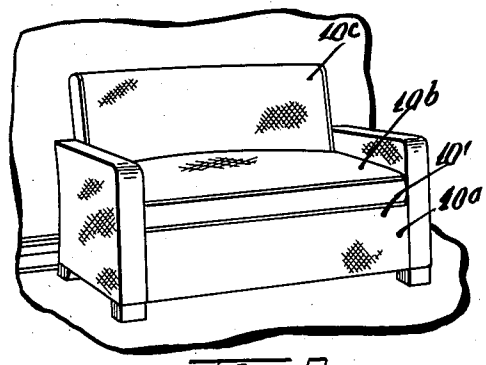


Fig. 6.

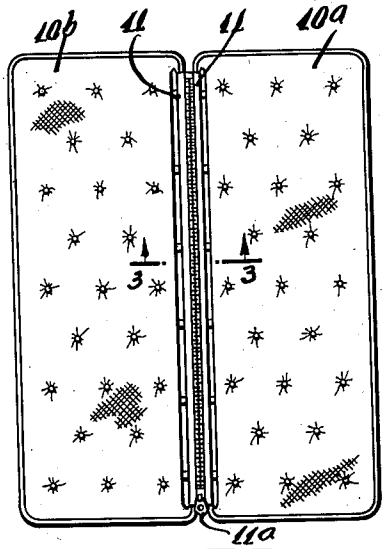


Fig. 2.

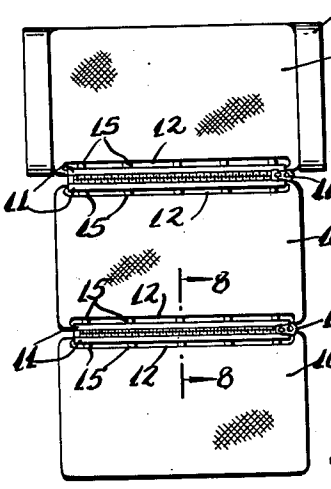


Fig. 7.

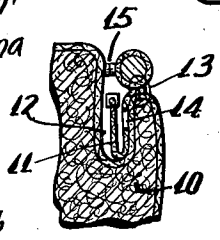


Fig. 4.

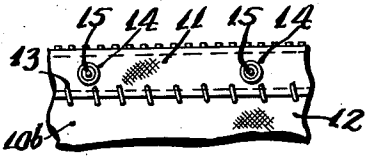


Fig. 5.

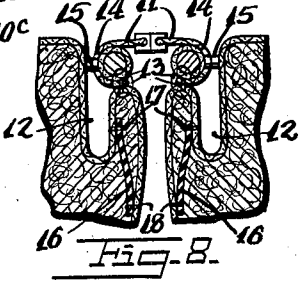


Fig. 8.

INVENTOR
Joseph Lumia
BY Zoltan Polachek
ATTORNEY

Patented July 21, 1942

2,290,598

UNITED STATES PATENT OFFICE

2,290,598

TWIN SLIDE FASTENER MATTRESS FOR STUDIO COUCHES, SOFA BEDS, ETC.

Joseph Lumia, Grantwood, N. J.

Application April 16, 1941, Serial No. 388,732

4 Claims. (Cl. 5—357)

This invention relates to new and useful improvements in a twin slide fastener mattress for a studio couch, sofa bed, etc.

More specifically, the invention proposes the construction of a means arranged in connection with an article having a minimum of two separate mattresses for connecting together the adjacent edges of the mattresses in a manner to form an integral unit of the sections.

More specifically, it is proposed to apply the invention to the mattresses of a studio couch, sofa bed, love seat, chair bed, day bed, or similar extendable article having two or more separate mattresses.

Still further it is proposed to characterize each mattress by a narrow pocket extended along one side thereof and having a stringer of slide fasteners mounted within the pocket and extendable therefrom to be engaged with a stringer of like slide fastener elements mounted upon the adjacent edge of an adjacent mattress.

Still further it is proposed to provide the open top of the pocket with cooperative fasteners for holding the pocket closed.

A further object of the invention proposes to provide the stringers of slide fastener elements with openings at points along the length thereof and through which the cooperative fasteners are adapted to be engaged for closing the pocket in the extended position of the stringers.

Still further a modification of the invention proposes the provision of a means for retaining the pocket in its retracted position at all times.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a perspective view of a studio couch constructed in accordance with this invention.

Fig. 2 is an open plan view of the studio couch with the adjacent edges of its mattresses connected together.

Fig. 3 is an enlarged vertical sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a view similar to a portion of Fig. 3 but illustrating the stringer in its retracted position.

Fig. 5 is a vertical sectional view taken on the line 5—5 of Fig. 3.

Fig. 6 is a perspective view of a love seat constructed in accordance with this invention.

Fig. 7 is a plan view of the love seat in its open position.

Fig. 8 is an enlarged vertical sectional view taken on the line 8—8 of Fig. 7.

The twin slide fastener mattress for studio couches, sofa beds and the like, according to this invention, is shown applied to a studio couch 10 comprising a base section 10a having an integral mattress and upon which a separable mattress 10b is positioned. The base section 10a is characterized by the fact that it includes a frame, not shown on the drawing, which is extendable from the back thereof and upon which the mattress 10b is adapted to be rested for transforming the studio couch into a double bed. Details of this frame and its association with the base section 10a are not given as it forms no part of the invention and its construction is obvious to those skilled in the art.

The open position of the studio couch is shown in Fig. 2 and the adjacent edges of the base 10a and the mattress 10b are connected together by means of adjacent stringers of slide fasteners 11 mounted upon the adjacent edges of these sections. The slide fasteners 11 are of the separable type and when the control slide 11a is moved to separate these fasteners the stringers are completely separated, permitting the mattress 10b to be positioned on the base section 10a, as shown in Fig. 1.

Both the base section 10a and the mattress 10b are provided with a narrow pocket 12 extending along one side thereof. The stringers of slide fasteners are mounted within the pockets 12 and are retained in position by means of stitches 13. When the studio couch is in the position as shown in Fig. 1 the stringers of slide fasteners are normally positioned within the pocket as shown in Fig. 4, and are extendable therefrom as shown in Fig. 3 to permit the fasteners to be engaged with each other. At spaced points along their lengths the stringers of slide fasteners are formed with openings 14.

A means is provided for closing the open top of the pockets 12. This means comprises cooperative snap fastener elements 15 mounted upon the adjacent faces of the open top of each of the pockets and engageable with each other in the retracted position of the stringers of slide fasteners for retaining the same in their retracted positions. When the stringers of slide fasteners are extended from the openings of the pockets the cooperative snap fastener elements 15 are adapted to be engaged with each other through the openings 14 for also retaining the

pockets in their closed positions when the stringers are extended. The pockets 12 are to be open only when the stringers are being removed therefrom or engaged therein. These snap fastener elements 15 are of the type which tightly frictionally engage each other so as to maintain their engaged positions to hold the pocket closed unless manual pulling power is applied thereto to separate the same.

The operation of this form of the invention is as follows:

Normally the studio couch is in the position illustrated in Fig. 1. To convert the same into a double bed having its mattresses joined together to form an integral unit the studio couch is pulled from the wall permitting the supporting frame to be projected from the back thereof. The mattress 10^b is then rolled over upon its rear edge to rest upon the supporting frame. This exposes the pockets 12 in positions adjacent to each other and the pockets are opened and the stringers of slide fasteners extended therefrom to be engaged with each other as shown in Fig. 2. The snap fasteners 15 are again engaged with each other through the openings 14 for retaining the pockets in their closed positions to maintain the base section 10^a and mattress 10^b in positions immediately adjacent each other.

In Figs. 6 to 8 a modification of the invention is shown applied to a love seat 10' consisting of a base section 10^a and a horizontal mattress 10^b and a vertical mattress 10^c. The base section 10^a of the love seat houses an extendable frame upon which the mattress sections 10^b and 10^c are adapted to be placed for converting the love seat into a bed. The adjacent edges of the base section 10^a and the mattresses 10^b and 10^c are provided with the means previously described for connecting the adjacent edges of these sections to form an integral unit thereof.

This form of the invention distinguishes from that previously described in that it is provided with a means for retaining the pockets 12 in their retracted positions within the mattress sections at all times. This means comprises strips of elastic material 16 substantially equal in length to the length of the pockets 12. One edge of the strips 16 is attached to an adjacent portion of the pockets 12 by means of stitches 17. The other edge of the strips 16 are stitched to an adjacent portion of the body of the mattress for holding the pockets retracted. The latter stitches are indicated by reference numeral 18.

In other respects this form of the invention is identical to the previous form and like parts are indicated by like reference numerals.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. In an article of the class described, a mattress having a narrow pocket along one side edge, a stringer of a slide fastener mounted in said pocket and extendable therefrom and having openings at points along its length, and cooperative fasteners for holding said pocket closed and operable through said openings to hold said pocket closed when said stringer is extended from said pocket, said cooperative fasteners comprising snap fastener elements mounted on the adjacent faces of the open top of said pocket.

2. In an article of the class described, a pair of adjacent mattresses each having a narrow pocket formed along their adjacent side edges, a stringer of slide fasteners within each of said pockets for connecting said mattresses when extended from said pockets and having one of their edges securely attached to the inside face of one wall of their respective pockets, and cooperative snap fastener elements mounted on the adjacent faces of the open top of each of said pockets for closing the same, said stringers of said slide fasteners being provided at points along their lengths with openings in aligned positions with said snap fastener elements, whereby when said pockets are opened said slide fasteners may be extended therefrom to be joined and permit said pockets to be closed by engaging said snap fasteners through said openings.

3. In an article of the class described, a pair of adjacent mattresses each having a narrow pocket formed along their adjacent side edges, a stringer of slide fasteners within each of said pockets for connecting said mattresses when extended from said pockets and having one of their edges securely attached to the inside face of one wall of their respective pockets, and cooperative snap fastener elements mounted on the adjacent faces of the open top of each of said pockets for closing the same, said stringers of said slide fasteners being provided at points along their lengths with openings in aligned positions with said snap fastener elements, whereby when said pockets are opened said slide fasteners may be extended therefrom to be joined and permit said pockets to be closed by engaging said snap fasteners through said openings, said pockets being extended into the body of said mattresses, and means for retaining said pockets in formation within said mattress bodies.

4. In an article of the class described, a pair of adjacent mattresses each having a narrow pocket formed along their adjacent side edges, a stringer of slide fasteners within each of said pockets for connecting said mattresses when extended from said pockets and having one of their edges securely attached to the inside face of one wall of their respective pockets, and cooperative snap fastener elements mounted on the adjacent faces of the open top of each of said pockets for closing the same, said stringers of said slide fasteners being provided at points along their lengths with openings in aligned positions with said snap fastener elements, whereby when said pockets are opened said slide fasteners may be extended therefrom to be joined and permit said pockets to be closed by engaging said snap fasteners through said openings, said pockets being extended into the body of said mattresses, and means for retaining said pockets in formation within said mattress bodies, comprising a strip of elastic material for each of said pockets, said strips of elastic material being of a length substantially equal to the length of their respective pockets and having one edge securely attached to its respective pocket and its other edge securely attached to a wall of its respective mattress body.

JOSEPH LUMIA.