Feb. 21, 1933. E. ROBERTI 1,898,497

METHOD OF MAKING REENFORCED MATTRESSES

Filed Jan. 18, 1928

Fig. 1.

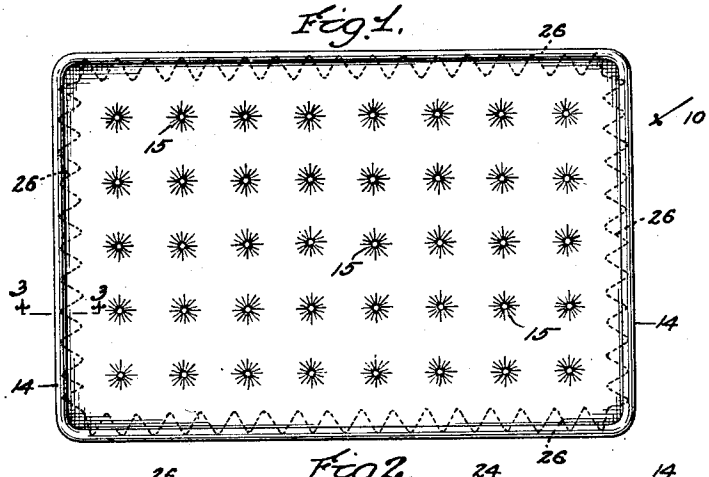


Fig. 2.

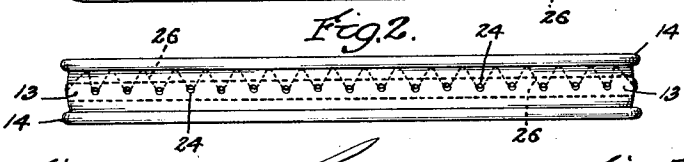


Fig. 3.

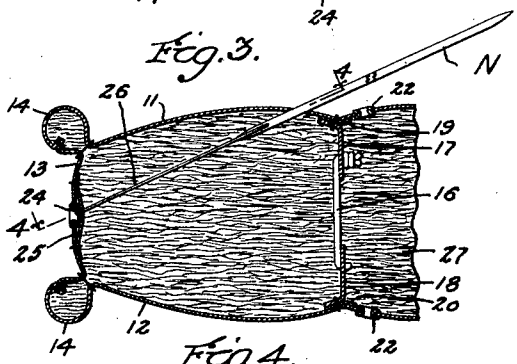


Fig. 5.

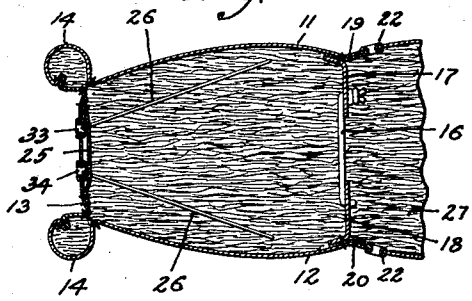


Fig. 4.

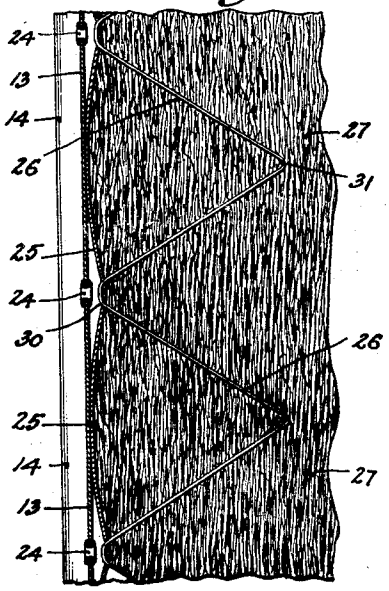
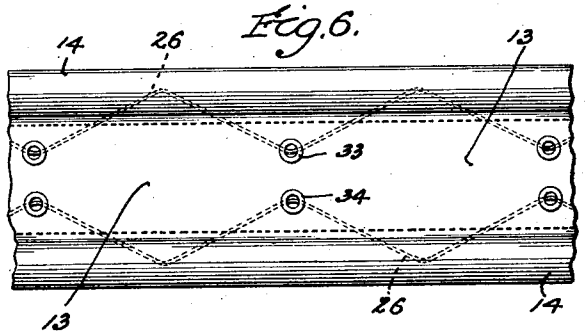


Fig. 6.



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UNITED STATES PATENT OFFICE

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METHOD OF MAKING REENFORCED MATTRESSES

Application filed January 18, 1928. Serial No. 247,547.

My invention relates to the art of making mattresses, being more particularly a mattress construction in which provision is made for reenforcing the mattress against the boxing.

Mattresses, as ordinarily constructed, have a tendency to flatten along the boxing or side portions of the mattress, due largely to the fact that the filler works away from the boxing, and it is one of the principal objects of my invention to produce a mattress of simple form and construction, in which provision is made for reenforcing the boxing, and at the same time compact the filler and retain the same along the sides of the mattress.

Another object of my invention is to produce a mattress of the class described, wherein concealed means are employed for compacting the filler around the sides of the mattress.

Other objects and advantages will appear hereinafter from the following description and drawing.

Referring to the drawing, which is for illustrative purposes only,

Fig. 1 is a diagrammatic plan view of a mattress embodying a form of my invention.

Fig. 2 is a side view of the mattress shown in Fig. 1.

Fig. 3 is an enlarged sectional view on line 3—3 of Fig. 1, showing the needle employed during the stitching operation.

Fig. 4 is a sectional view on line 4—4 of Fig. 3.

Fig. 5 is a sectional view similar to Fig. 3, showing a modified form of my invention, and

Fig. 6 is a side view of the mattress shown in Fig. 5.

More particularly describing the embodiment of my invention shown in Figs. 1 to 4, inclusive, 10 designates a mattress which may be made in any well known manner, 11 and 12 designating upper and lower tick members respectively, and 13 the boxing or side member of the tick, the tick members being connected to the boxing by rolled edges indicated at 14.

The mattress in the form shown is of the tufted type, tufts being indicated at 15, such tufts being formed by concealed ties 16, which engage tabs 17 and 18, secured to reenforcing strips 19 and 20, stitched to the respective tick members 11 and 12, the ties being inserted through eyelets 22.

In the preferred embodiment of my invention, I secure, in any well known manner, a plurality of eyelets 24 in the boxing 13, and behind such eyelets on the inside of the boxing I provide a strip 25 or foundation secured to the boxing by two rows of stitching, one above and one below the eyelets. The strip 25 reenforces the boxing and provides an anchor or base for a compacting member 26.

The compacting or reenforcing member 26 consists of a continuous piece of twine which is sewn through the strip 25 and the filler 27 in the following manner. A needle N is used, the twine 26 being threaded in the needle and the threaded needle passed through an eyelet 24 and strip 25 angularly, both laterally and upwardly, until the needle is passed through the tick member 11 a sufficient distance to be grasped by the hand of the operator, but not a sufficient distance for the thread or twine to pass through the tick member, the needle then being turned so as to point downwardly and laterally toward the next eyelet and pushed back so that the thread or twine is passed through the strip 25 and the eyelet. This operation is repeated, one end of each stitch formed by the twine engaging the strip 25, as indicated at 30, and the other end 31 of each stitch engaging the filler so that the intervening filler is held in compact relation against the boxing.

The stitching operation is repeated until a series of V-shaped stitches are formed around the sides of the mattress, as indicated in dotted lines in Figs. 1 and 2.

In the form shown in Figs. 5 and 6, two rows of twine 26 are used, the stitching operation described with respect to Figs. 1 to 4 being carried out through one row 33 of eyelets and the mattress turned and a second like stitching operation being carried out through a second row of eyelets 34.

By drawing the filler into compact form around the boxing, as above described, the sides of the bed are firm and retain their shape.

While I have shown and described an eyelet construction, in combination with a strip on the inside of the boxing, it is to be understood that my invention is not limited to this concealed type of article, but includes any form of construction in which the filler is held in compact relation with the boxing by means of twine or thread, either directly or indirectly engaging the boxing.

I claim as my invention:

1. The method of making a mattress consisting of tick members, a boxing and filler therein, which comprises, forming a series of openings in said boxing, stitching a strip of fabric to the inside of the boxing behind said openings, and passing a threaded needle through one opening part way through the filler, then outwardly through another opening and inwardly through the same opening, and repeating such movement of the threaded needle to form a series of stitches in said fabric strip extending into and engaging the filler.

2. The method of making a mattress of the type in which the mattress consists of tick members having a filler therebetween and a boxing having openings therein and a fabric member stitched to the inside thereof behind the openings which comprises passing a threaded needle through one opening, then outwardly through another opening and inwardly through the same opening, and repeating such movement of the threaded needle to form a series of stitches in the fabric member extending into and engaging the filler.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 12th day of January, 1928.

EDWARD ROBERTI.