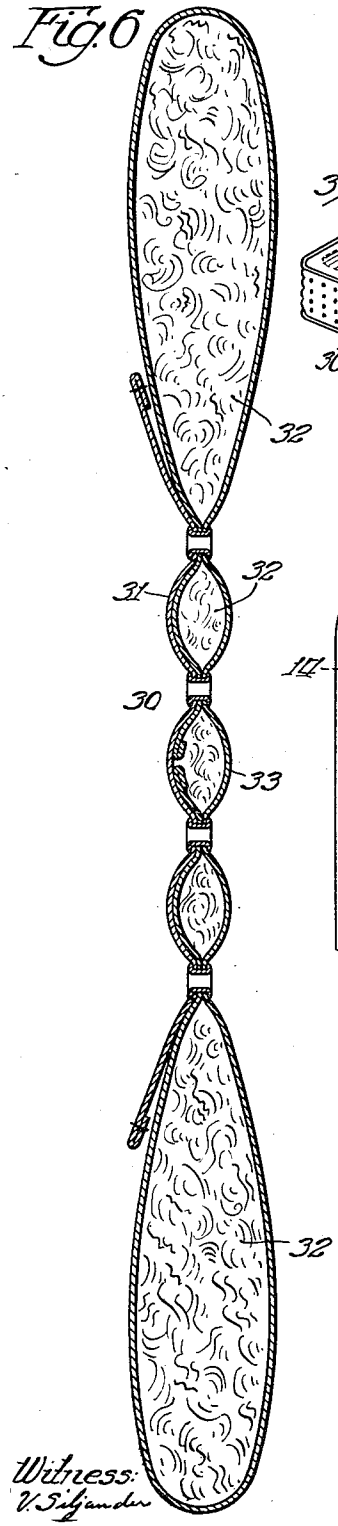
Jan. 18, 1938. M. MARSACK 2,105,923

MATTRESS

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Fig. 6



Witness:
V. Siljander

Fig. 1

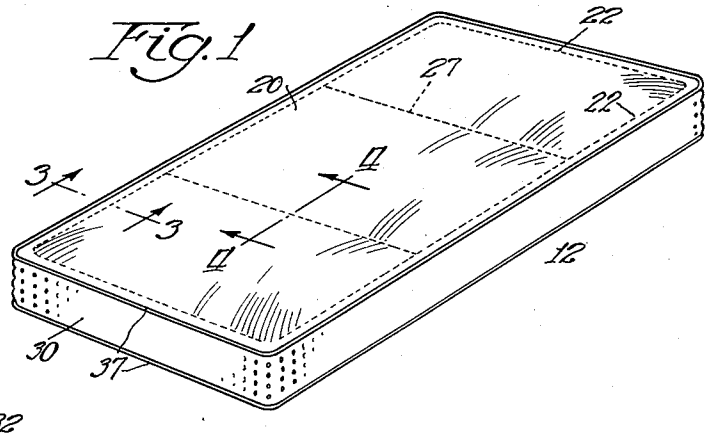


Fig. 2

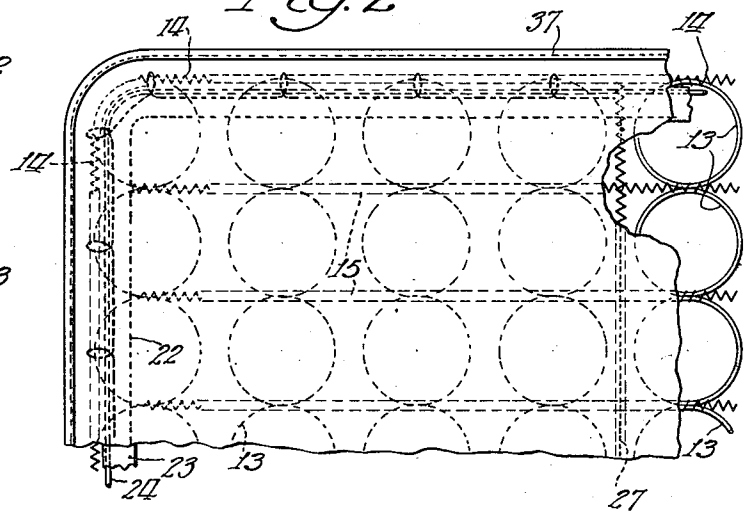
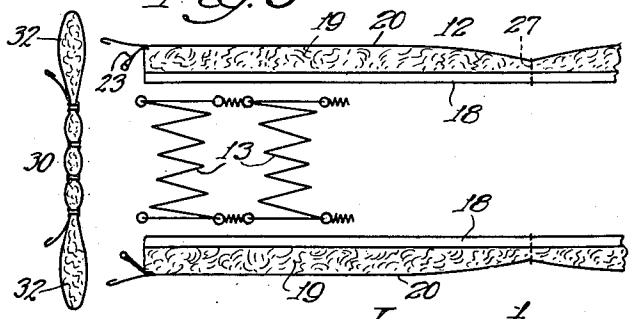


Fig. 5



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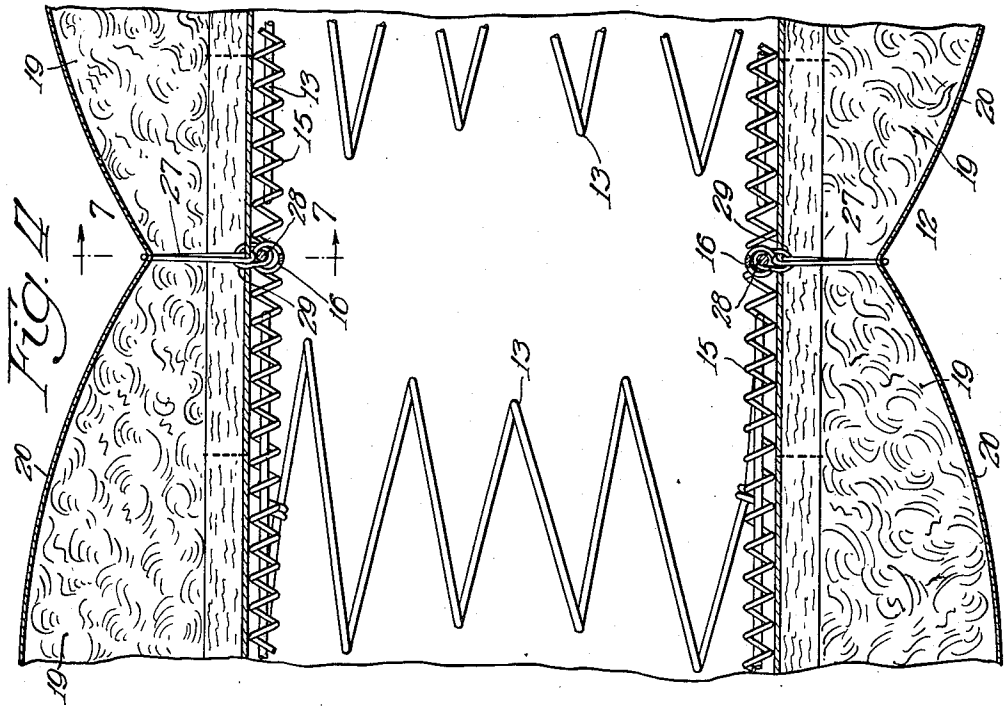


Fig. 4

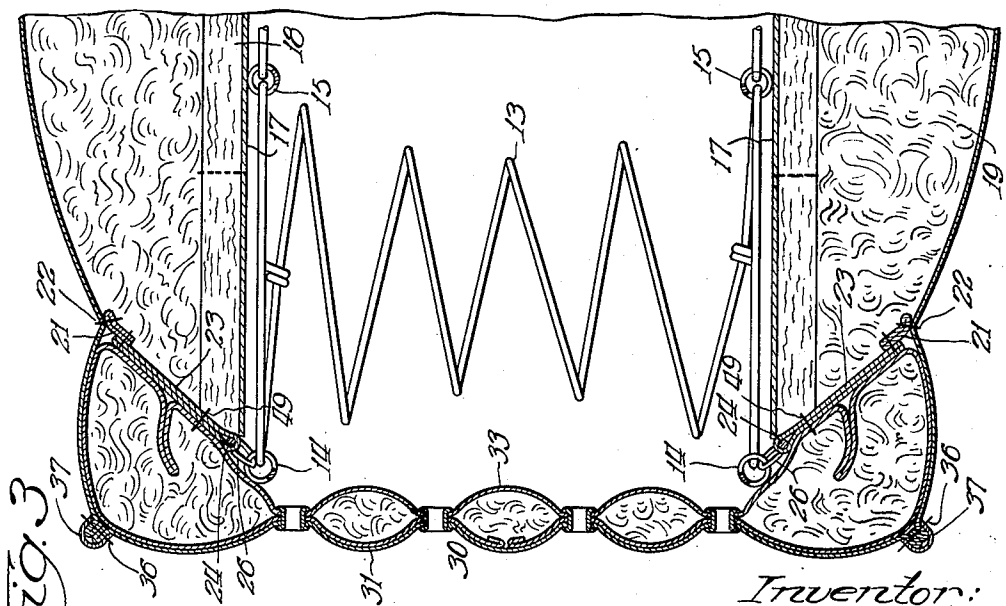


Fig. 3

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Jan. 18, 1938. M. MARSACK 2,105,923

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Fig. 7

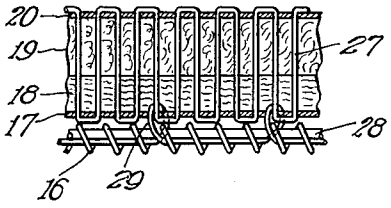


Fig. 8

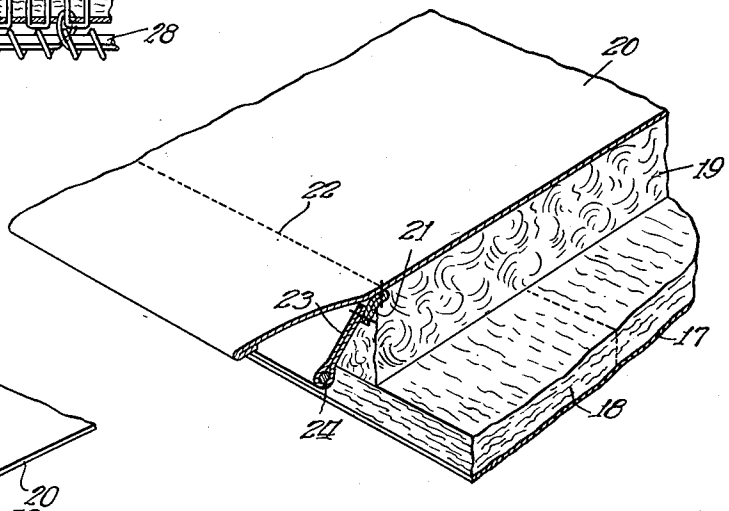


Fig. 11

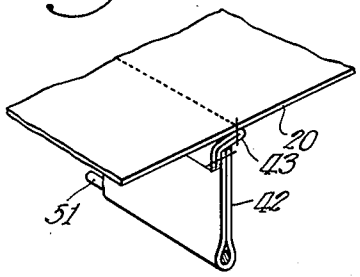


Fig. 9

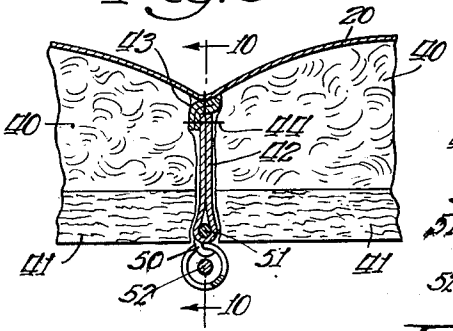


Fig. 10

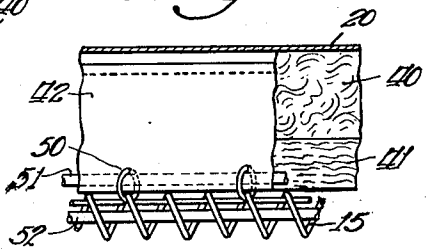
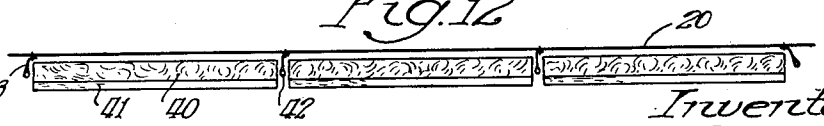


Fig. 12



Inventor:
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Witness:
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UNITED STATES PATENT OFFICE

2,105,923

MATTRESS

Max Marsack, Milwaukee, Wis., assignor to Li-On Bedding Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 28, 1937, Serial No. 122,734

30 Claims. (Cl. 5—351)

The invention relates to mattresses of the class comprising an inner spring construction enclosed by edge boxing and side filling material, and more particularly it relates to an improved mattress and edge boxing construction and method of assembling the same.

An object of the invention is the provision of improved means for connecting the edge boxing with the body filling material in order that a mattress so constructed will retain its original shape and attractive appearance after long use and without in any way impairing or sacrificing comfort or rest-giving qualities.

Another object of the invention is the provision of an improved edge boxing or border strip for mattresses and novel means for fastening the boxing to the body of the mattress with the result that the mattress is reinforced and strengthened adjacent the border and retains a trim and substantially square edge without the necessity of providing a separate external or internal roll.

A further object of the invention is the provision of improved vertical boxing consisting of an outer ply of fabric and an inner ply of filling material having its upper and lower edges projecting beyond the corresponding edges of the outer ply, said filling material being enclosed by a close fitting fabric sheet adapted to prevent the edges of the filling becoming irregular and torn and to permit the projecting edges to be folded back upon themselves to form inner rolls overlying the edge of the spring construction.

A still further object of the invention is the provision of a mattress having its top and bottom sides provided with transversely extending depressed zones, the mattress being of substantially uniform thickness at such zones, whereby additional ornateness and symmetry is imparted to the mattress.

Still another object of the invention is the provision of an improved mattress of the kind described in which the use of tufting is unnecessary, and by reason of its omission provides relatively large, smooth, and compact areas increasing the cushioning effect, and adapted to be easily kept clean by the use of a brush and which retains its original shape and attractive appearance after long use without in any way impairing or sacrificing comfort and rest-giving qualities.

Many other objects and advantages of the construction and methods herein shown and described will be obvious to those skilled in the art from the disclosure herein given.

To this end my invention consists in the novel construction, arrangement and combination of parts herein described and more particularly pointed out in the claims.

Referring now more particularly to the drawings in which:

Fig. 1 is a perspective view of a mattress embodying the principles of the invention;

Fig. 2 is a plan view of a fragmentary portion of the mattress shown in Fig. 1 with a portion of the spring construction uncovered to more clearly show the details of construction;

Fig. 3 is a full sized sectional view taken along the line 3—3 of Fig. 1 and illustrating the details of the preferred embodiment of the invention;

Fig. 4 is a full sized sectional view of an intermediate portion of the mattress taken approximately along the line 4—4 of Fig. 1, and showing additional details of the preferred embodiment of the invention;

Fig. 5 is a sectional view through one end of a mattress embodying the principles of the invention, the inner spring construction, the top and bottom portions, and the edge boxing all being shown more or less diagrammatically and in partially disassembled but in approximately correct relation to each other;

Fig. 6 is a full sized sectional view of an improved edge boxing embodying the principles of the invention;

Fig. 7 is a view along the line 7—7 of Fig. 4;

Fig. 8 is a perspective view of a portion of the padding, covering and lining materials forming the top and bottom of the mattress together with the novel means provided for fastening the covering to the edge boxing;

Fig. 9 illustrates an alternative form of the invention and is a vertical longitudinal section through a fragmentary portion of one side of the mattress, the section being taken at one of the transverse zones of depression of the mattress;

Fig. 10 is a view along the line 10—10 of Fig. 9;

Fig. 11 is a perspective view of a fragmentary portion of the mattress cover adjacent a zone of depression and illustrating the means whereby the cover is depressed in the alternative embodiment of the invention; and

Fig. 12 is a diagrammatic longitudinal sectional view of the alternative embodiment of the invention illustrating the sectional construction of the top and bottom portions of the mattress.

Referring now more particularly to the drawings, the numeral 12 generally designates a finished mattress embodying either the preferred or alternative forms of the invention. The preferred embodiment of the invention illustrated in Figs. 1 to 8, inclusive, comprises an inner spring con-

struction consisting of a plurality of vertical coils 13, top and bottom border helicals 14, extending around and connecting the corresponding ends of the outer coils 13, a plurality of longitudinally extending helicals 15 on the top and bottom of the spring construction and extending the full length thereof, and a plurality of transversely extending helicals 16 provided on both the top and the bottom of the spring construction for a purpose hereinafter more particularly described.

The top and bottom portions of the mattress are identical and in the preferred embodiment each comprise lining material preferably consisting of a fabric sheet 17 and a layer of sisal or similar material 18, a layer of padding material 19, such as cotton or the like, positioned on the liner material, and a continuous outer cover or tick 20. If preferred, the fabric sheets 17 may be omitted, thereby permitting the sisal 18 to rest directly upon the spring construction, or the sisal may be omitted and a burlap or like sheet substituted therefor and the desired thickness of the mattress may be obtained by increasing the thickness of the padding material 19. The sisal lining is provided with transverse lines of stitches 38 spaced at suitable intervals as shown in Figs. 3, 4 and 8.

A folded fabric strip 21 extends around each of the covers 20, the strips being fastened to the covers preferably at a uniform distance from the marginal edges of the latter by means of straight lines of stitches 22. The strips 21 provide means for connecting fabric flaps 23 with the covers 20, the flaps being folded along a median line and having their longitudinal edges fastened to the strips by lines of stitches 25. The width and inclination of the flaps 23 are such that wires 24 positioned in the sheets at the lines of fold are in juxtaposition to the border helicals 14 and may be connected to the latter by stitches 26.

A plurality of lines of stitches 27 extending transversely of the mattress connect the covers 20 with the adjacent lining material in such a way as to compress the filling material 19 and thereby provide parallel zones of depression. The body of the mattress is fastened to the spring construction preferably along the lines of stitches 27 by a plurality of ties or loops 29, each extending around a rod or wire 28 positioned in the adjacent transversely extending helical 16. The helicals 16 and rods 28 contained therein operatively engage the border helicals 14 and also the intermediate longitudinally extending helicals 15. The rods or wires 28 provide a more or less rigid connection for the body of the mattress along the lines of ties 29 and adapt the latter to hold the transversely depressed portions of the top and the bottom of the mattress against displacement and distortion. The lines of stitches 27 arranged as described makes the use of tufting unnecessary and provides the mattress with relatively large smooth compact areas which increases the cushioning effect over that existing in mattresses having tufting spaced in the usual manner. The surface of a mattress constructed as described is such that it is easily kept clean by the use of a brush. The spacing and depth of the depressions are of such character as not to impair or sacrifice the comfort and rest-giving qualities of the mattress.

The edges of the mattress comprise a continuous strip of quilted boxing generally designated by the numeral 30 and shown in full size in Fig. 6. The boxing comprises an outer fabric sheet or ticking 31 and an inner ply or layer 32 of filler or padding material enclosed in a close-fitting casing or sheet 33 of muslin or other suitable material. The padding 32 and casing 33 project beyond the outer ply 31 and the median portions of the plies are fastened together by a plurality of eyelets 34 producing a quilted effect and compressing the padding 32 as shown. The outer uncompressed end portions of the padding 32 being enclosed are maintained in even cross-section and without ragged or raw edges on the border.

The boxing 30 is fastened to the mattress by lines of stitches 35 connecting the flaps 23 with the casing 33 and by lines of stitches 36 connecting the fabric sheet 31 with the marginal edges of the covers 20 and a tape covering 37.

The spacing of the strip 21 from the edge of the cover 20, the width of the flaps 23 and the width of the outer ply 31 of the boxing 30 are so related that the projecting edges of the padding 32 of the boxing are necessarily compressed and slightly folded back upon itself before the ply 31 and cover 20 are connected by the stitches 36 and tape 37. The fabric sheet 33 encasing the padding 32 holds the latter intact and prevents the edges from disintegrating as might otherwise occur. The casing 33 also prevents bunching of the padding 32 and by reason of the resulting uniformity of thickness of the padding, contributes to the production of a trim, taut and smooth exterior of the mattress at the edges thereof.

The boxing 30 is not attached to the spring construction but to the flaps 23, which may be attached to the border helical or to the edge of the sisal pad. The resilience of the springs on the sisal pad also tends to maintain the trim, taut appearance of the mattress which is desirable both from the standpoint of ornateness and durability.

Modifications comprising an alternative embodiment of the invention are illustrated in Figs. 9 to 12, inclusive, the construction of the mattress being in all other respects similar to the preferred embodiment as already described and illustrated in Figs. 1 to 8, inclusive. In the alternative embodiment, the filling material 40 and the lining material 41 are arranged in a plurality of sections as best shown diagrammatically in Fig. 12. The covers 20 are connected with the spring helicals extending across the construction by a plurality of transversely extending strips or fabric flaps 42 folded along their median line and having their free edges fastened to a strip 43 by a line of stitches 44. The strips 43 are, in turn, fastened to the cover 40 by lines of stitches 45.

A wire or rod 46 positioned within the fold of each sheet 42 is connected with the adjacent transversely extending helicals 16 by a plurality of ties or loops 47. The rods 28 which may be positioned in the helicals 16 provide rigid connections for the tie strips or sheets 42 and the width of the sheets is such that the top and bottom portions of the mattress are depressed as shown, the lines of stitches 45 in the covers 20 being maintained as horizontal straight lines by the pull of said sheets.

The border is pre-built substantially as shown in Fig. 6 with the filling or padding 32 enclosed in a fabric or muslin sheet 33 and a strip of ticking 31 arranged as shown, the parts being secured together by eyelets 34 or by rivets or stitching or in any equivalent manner, the edges of the sheet 33 being covered by the ticking as shown. To the cover sheet is attached the flaps 23 and securing strips 21 by means of the stitches 22 spaced back from the hemmed edge of the sheet 20. The flap 23 extends about the pe-

ripheral edge of the cover sheet 20 and the wire 24 may be inserted either before or after the securing of the flap and strip 21 to the sheet. The sisal pad 18, where sisal is used, is ordinarily pre-stitched so as to prevent it from disintegrating during handling. The lining sheet 17, the sisal pad 18, the filling 19 and the cover sheet 20 are then secured together to substantially form a quilt by the stitching 27 extending transversely or from side to side of the so-called quilt. As previously mentioned, the muslin sheet 17 may be omitted if desired. There is thus prepared a top quilt, a bottom quilt and an endless boxing or border. The assembled spring construction is placed upon a table or other support and one of the quilts laid over the same. The quilt is secured to the transverse helicals 16 by the lacing 29 at the intermediate stitching 27 which secures the parts of the quilt together. The flap 23 is then secured to the sisal pad or, as shown, to the border helical 14 by a lacing 26 or by suitable metal clips (not shown), it being immaterial as to the fastening means employed. The fastening means, as for example, the lacing 26, preferably is looped over the flap reinforcing wire 24 which serves to prevent the flap edge from taking a scalloped shape. With the border or boxing then positioned about the spring construction, the muslin sheet or cover 33 of the boxing is stitched to the flap 23 as indicated at 49. The numeral 49 indicates a cord successively laced through the boxing cover 33 and the flap 23 at spaced intervals, the cord being inserted through the cover and flap while in spaced relation to form a loose stitch. The cord is then drawn taut to bring the cover and flap together as shown, other stitches being successively formed in the same manner to form a continuous line of stitches of lacing. The edge portion of the boxing may then be folded over and the edge of the cover sheet 20 and the edge of the ply 31 may be secured together by the tape 37 and suitable stitching 36. These, however, may be secured after the other edge of the boxing has been secured in place, if preferred. The partially completed mattress consisting of the spring construction, quilted top and the border, is then turned over and a quilt applied to the opposite, then top, face of the spring construction, secured to the center helical 16 and the border connected to the flap 23 and to the cover sheet as previously described.

The mattress is then complete, any tufting being unnecessary since the stitches 27 serve as a tufting. The filling of the border where turned over and enclosed is well compressed and the filling contained so that it cannot become displaced and consequently the edges of the mattress about the same are firm and hold their shape. The enclosed roll or edge also tends to hold the boxing out and in a vertical position so that it does not appear wrinkled, and if the mattress is depressed at the edge, it comes back to shape. It is obvious that the hand work on the mattress is comparatively little. It is only required to assemble the parts in the manner described and secure the flap to the border helical and hand stitch or lace the muslin 33 to the flap at 49, then fold over the edge of the border and machine sew the outer border ply and the top cover sheet together. The padding or filling in both the quilt and the border being pre-built with the associated parts, is more or less uniform and is not easily disarranged, either before or after the completion of the mattress,—consequently a uniform product results.

The assembly of the mattress constructed according to the alternative embodiment of the invention shown in Figs. 9, 10, 11 and 12, is substantially as follows: Each of the cover sheets for the top and bottom of the mattress is provided with the intermediate flaps 42 secured to the cover sheet as most clearly shown in Fig. 9. The border or boxing is made substantially as heretofore described in the preferred embodiment of the invention. Over the spring construction is then arranged a plurality of sisal pads 41, the same being of the desired size and thickness, depending upon the size of the mattress. Over these are arranged a corresponding number of felt pads 40 and over this is arranged the cover sheet 20 with the intermediate flaps 42 disposed between the sisal and felt units and these are secured or laced to the helicals 16 extending transversely of the mattress by a tie or lacing 50. A rod or wire 51 may be placed in the flap 42 as shown, and a wire 52 may also, if desired, be extended through the helical 15 and the parts are then laced together, the wires tending to maintain a straight line. As was previously mentioned, the wire 52 in the helical may be omitted as it is not found essential, since the wire 51 in the flap will tend to maintain a straight line across the mattress. The steps followed in the completion of the mattress are the same as previously described, the edge flap about the cover sheet being secured to the border helical of the spring construction and the border or boxing secured to the edge flap and to the cover sheet. As in the previous construction, one side or face of the mattress may be completed and then the same turned over and the opposite side or face completed.

With both of the constructions described, it will be noted that the top filling is so secured in place that it will not tend to bunch up or become displaced, either the stitching 27 or the flaps 42 tending to retain it and prevent endwise shifting in the mattress. This also tends to prevent the cover shifting and retains it in place.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence I do not wish to be understood as limiting myself to the exact form, construction, arrangement and combination of parts herein shown and described, or uses mentioned.

What I claim as new and desire to secure by Letters Patent is:

1. In a mattress of the kind described, an inner spring construction, a top and a bottom cover sheet, a flap extending around the margin of and positioned between each cover sheet and the spring construction, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the outer edge of the flap with the adjacent marginal edge of the spring construction, filling material positioned between said cover sheets and flaps and the adjacent spring construction, a continuous multi-ply boxing strip enclosing the vertical edges of the spring construction, and means connecting the marginal edges of the outer ply of the boxing with the adjacent marginal edges of the cover sheet.

2. In a mattress of the kind described, an inner spring construction, material forming a lining for the top and bottom of the spring construction, a top and a bottom cover sheet, a flap extending around the margin of and posi-

tioned between each cover sheet and the adjacent lining, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the outer edge of the flap with the adjacent marginal edge of the spring construction, filling material positioned between said cover sheets and flaps and the adjacent linings, a continuous boxing strip enclosing the vertical edges of the spring construction, said boxing strip comprising a ply of padding, a fabric sheet encasing and closely fitting said ply of padding, an outer fabric sheet and means fastening said outer sheet to said padding and encasing sheet, and means connecting the marginal edges of the outer ply of the boxing with the adjacent marginal edges of the cover sheet.

3. In a mattress of the kind described, an inner spring construction, material forming a lining for the top and bottom of the spring construction, a top and a bottom cover sheet, a flap extending around the margin of and positioned between each cover sheet and the adjacent lining, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the flap with the adjacent marginal edge of the spring construction, filling material positioned between said cover sheets and flaps and the adjacent linings, a continuous boxing strip enclosing the vertical edges of the spring construction, said boxing strip comprising a ply of padding substantially wider than the depth of the mattress, a fabric sheet encasing said padding, an outer fabric ply and means fastening said outer ply to the padding and casing therefor, means connecting the marginal edges of the outer ply of the boxing with the adjacent marginal edge of the cover sheets, the top and bottom edges of the boxing padding and casing being inturned and compressed between the cover sheets and flaps.

4. In a mattress of the kind described, an inner spring construction, material forming a lining for the top and bottom of the spring construction, a top and a bottom cover sheet, a flap extending around the margin of and positioned between each cover sheet and the adjacent lining, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the flap with the adjacent marginal edge of the spring construction, filling material positioned between said cover sheets and flaps and the adjacent linings, a continuous boxing strip enclosing the vertical edges of the spring construction, said boxing strip comprising a ply of padding substantially wider than the depth of the mattress, a fabric sheet enclosing said padding, an outer fabric ply and means fastening said outer ply to the padding and casing therefor, means connecting the marginal edges of the outer ply of the boxing with the adjacent marginal edge of the cover sheets, the top and bottom edges of the boxing padding and casing being inturned and compressed between the cover sheets and flaps, and means extending through the filling material connecting the cover sheet and adjacent lining to the spring construction.

5. In a mattress of the kind described, an inner spring construction, material forming a lining for the top and bottom of the resilient construction, a top and a bottom cover sheet, a flap extending around the margin of and positioned between each cover sheet and the adjacent lining, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the other edge of the flap with the adjacent marginal edge of the spring construction, filling material positioned between said cover sheets and flaps and the adjacent lining, a continuous quilted boxing strip enclosing the vertical edges of the spring construction, said boxing strip comprising an outer fabric sheet and an inner ply of padding substantially wider than the depth of the mattress, means connecting the outer fabric boxing sheet with the adjacent marginal edges of the cover sheets, said boxing padding being compressed and filling the space between the margins of the cover sheets and the adjacent marginal flaps, a plurality of transverse lines of lacing extending through the filling material connecting the adjacent cover sheet and lining and means connecting the spring construction with said linings adjacent said lines of lacing.

6. In a mattress of the kind described, an inner spring construction, material forming a lining for the top and bottom of the resilient construction, a top and a bottom cover sheet, a flap extending around the margin of and positioned between each cover sheet and the adjacent lining, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the other edge of the flap with the adjacent marginal edge of the spring construction, filling material positioned between said cover sheet and flap and the adjacent lining, a continuous boxing strip enclosing the vertical edges of the spring construction, said boxing strip comprising a ply of padding substantially wider than the depth of the mattress, a fabric sheet encasing and closely fitting said padding, an outer fabric sheet and means fastening said outer sheet to said padding and casing therefor, means connecting the outer fabric boxing sheet with the adjacent marginal edges of the cover sheets, the top and bottom edges of the boxing padding and casing being compressed between the marginal edge of the cover sheets and said flaps, and means connecting the flaps with said fabric sheet encasing the boxing padding.

7. In a mattress of the kind described, an inner spring construction, material forming a lining for the top and bottom of the resilient construction, a top and a bottom cover sheet, a flap extending around the margin of and positioned between each cover sheet and the adjacent lining, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the other edge of the flap with the adjacent marginal edge of the spring construction, filling material positioned between said cover sheet and flap and the adjacent lining, a continuous boxing strip enclosing the vertical edges of the spring construction, said boxing strip comprising a ply of padding substantially wider than the depth of the mattress, a fabric sheet encasing and closely fitting said padding, an outer fabric sheet and means fastening said outer sheet to said padding and casing therefor, means connecting the outer fabric boxing sheet with the adjacent marginal edges of the cover sheets, the top and bottom edges of the boxing padding and casing being compressed between the marginal edge of the cover sheets and said flaps, means connecting the flaps with said fabric sheet encasing the boxing padding, a plurality of transverse lines of lacing extending through the filling material and

connecting the adjacent cover sheet and lining, and means connecting the spring construction with said linings adjacent said lacing.

8. In a mattress of the kind described, an inner spring construction comprising a plurality of vertical coils arranged in transverse and longitudinal rows, a plurality of transversely extending helicals respectively connecting the top and bottom of contiguous transverse rows of coils, material forming a lining for the top and bottom of the spring construction, a continuous quilted boxing strip enclosing the edges of the spring construction, a top and a bottom cover sheet, a flap extending around the margin of and positioned between each cover sheet and the adjacent lining, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the other edge of said flap with the adjacent marginal edge of the spring construction, means connecting the marginal edge of the cover sheets with the boxing, filling material positioned between said cover sheets and marginal flaps and the adjacent linings, a plurality of transverse lines of lacing extending through the filling material and connecting the adjacent cover sheet and lining contiguous to said transverse helicals, and means for connecting said linings adjacent said lacings with said contiguous transverse helicals.

9. In a mattress of the kind described, an inner spring construction comprising a plurality of vertical coils arranged in transverse rows, a plurality of transversely extending helicals, some connecting the top and some the bottom of the coils comprising contiguous transverse rows, a continuous boxing strip enclosing the vertical edges of said spring construction, top and bottom cover sheets for the mattress, a line of stitches connecting the margin of said cover sheets with the contiguous margin of the boxing, a plurality of transversely extending vertical flaps spaced from each other and intermediate the ends of the cover sheet and each having one edge fastened to the cover sheet and its other edge fastened to a contiguous transverse helical by a line of stitches or loops, a plurality of sections of lining material covering the top and bottom of said spring construction, filling material positioned between said cover sheets and sections of lining material, said filling material being of substantially greater thickness than the depth of said flaps whereby the mattress is depressed along the lines of said flaps.

10. In a mattress of the kind described, an inner spring construction comprising a plurality of vertical coils arranged in transverse rows, a plurality of transversely extending helicals, some connecting the top and some the bottom of the coils comprising contiguous transverse rows, a continuous boxing strip enclosing the vertical edges of said spring construction, top and bottom cover sheets for the mattress, a plurality of sections of lining material covering the top and bottom of the spring construction, a flap extending around the margin of and positioned between each cover sheet and the adjacent lining sections, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the other edges of the flaps with the adjacent marginal edges of the spring construction, a line of stitches connecting the margin of said cover sheets with the contiguous margin of the boxing, a plurality of transversely extending vertical flaps spaced from each other and from the ends of the cover sheet and each having one edge fastened to the cover sheet by a line of stitches, the other edge of each flap being fastened to a contiguous transverse helical by a line of stitches, filling material positioned between said cover sheets and marginal flaps and sections of lining material, said filling material being of substantially greater thickness than the depth of said flaps whereby the mattress is depressed along the lines of said flaps.

11. In a mattress of the kind described, an inner spring construction comprising a plurality of vertical spiral coils arranged in transverse rows, a plurality of transversely extending helicals, some connecting the top and some the bottom of the coils comprising contiguous transverse rows, a continuous quilted boxing strip enclosing the vertical edges of said spring construction, said strip comprising an outer fabric sheet, an inner ply of padding substantially wider than the depth of the mattress and a fabric sheet encasing and closely fitting said padding, top and bottom cover sheets for the mattress, a line of stitches connecting the margins of said cover sheets with the contiguous margin of the outer fabric sheet of the boxing, a plurality of transversely extending vertical flaps spaced from each other and from the ends of the cover sheet and each having one edge fastened to the cover sheet by a line of stitches, the other edge of each flap being fastened to a contiguous transverse helical by a line of stitches, a plurality of sections of lining material covering the top and bottom of said spring construction, filling material positioned between said cover sheets and sections of lining material, said filling material being of substantially greater thickness than the depth of said flaps whereby the mattress is depressed along the lines of said flaps, said boxing padding being compressed between the connected marginal edges of the cover sheets and boxing fabric sheets and the adjacent filling material.

12. In a mattress of the kind described, an inner spring construction comprising a plurality of vertical spiral coils arranged in transverse rows, a plurality of transversely extending helicals, some connecting the top and some the bottom of the coils comprising contiguous transverse rows, a continuous quilted boxing strip enclosing the vertical edges of said spring construction, said strip comprising an outer fabric sheet, an inner ply of padding substantially wider than the depth of the mattress and a fabric sheet encasing and closely fitting said padding, top and bottom cover sheets for the mattress, a plurality of sections of lining material covering the top and bottom of the spring construction, a flap extending around the margins of and positioned between each cover sheet and the adjacent lining sections, means connecting one edge of each flap with the adjacent cover sheet at a substantial distance from its marginal edge, means connecting the other edge of the flap with the adjacent marginal edge of the spring construction, a plurality of transversely extending vertical flaps spaced from each other and from the ends of the cover sheet and each having one edge fastened to the cover sheet by a line of stitches, the other edge of each flap being fastened to a contiguous transverse helical by a line of stitches, filling material positioned between said cover sheets and sections of lining material, said filling material being of substantially greater thickness than the depth of said flaps whereby the mattress is depressed along the

lines of said flaps, a line of stitches connecting the margins of said cover sheets with the contiguous margin of the outer fabric sheet of the boxing, said boxing padding being compressed between the connected marginal edges of the cover sheets and boxing fabric sheets and the adjacent marginal flap.

13. In a mattress of the kind described, an inner spring construction, an enclosing fabric cover including top, bottom and edge portions, metal reinforcing members connected to and extending around at least the top portion of said covering adjacent its outer periphery, means connecting said reinforcing members with said inner spring construction, a layer of filling material positioned between said fabric covers and the spring construction, and a plurality of lines of lacing extending through and connecting the covers and filling material with the inner spring construction so as to maintain zones of depression in at least the top of the mattress and thereby tie and prevent shifting of said cover and filling material of the top portion of the mattress.

14. In a mattress of the kind described, an inner spring construction, top and bottom fabric covers for said spring construction, metal reinforcing members connected to and extending around said covers adjacent their edges, means connecting said reinforcing members with said inner spring construction, a layer of filling material positioned between said covers and the spring construction, and means including a plurality of lines of lacing extending through and securing the covers and filling material together for connecting the same with the inner spring construction and thereby tie and prevent relative shifting of said covers and filling material on the spring construction.

15. In a mattress of the kind described, an inner spring construction, top and bottom covers for said spring construction, means connecting the cover members with the spring construction, said means comprising flaps extending around and having one edge fastened to said covers adjacent their marginal edges, metal reinforcing members connected with the other edge of said flaps and means connecting said reinforcing members with the edges of said spring construction, a layer of filling material positioned between each cover and the spring construction, and a plurality of lines of lacing extending through and connecting the covers and filling material and connected with the spring construction and thereby tie and prevent shifting of the covers and filling material on the spring construction.

16. In a mattress of the kind described, an inner spring construction, top and bottom covers for said spring construction, means connecting the cover members with the spring construction, said means comprising flaps extending around and having one edge fastened to said covers adjacent their marginal edges, metal reinforcing members at the free edge of said flaps and means connecting said flaps and reinforcing members with the spring construction, a layer of filling material positioned between each cover and the spring construction, a plurality of parallel spaced apart metal reinforcing members connected with the top and with the bottom of the spring construction, and means including a plurality of lines of lacing extending through and securing the covers and filling material together and connecting the same with said parallel reinforcing members.

17. A mattress comprising a body of resilient material, a top pad covering the body and providing a plurality of parallel elongated cushions, and means for connecting the pad to said body at the junctures of said cushions.

18. A mattress comprising a core of resilient material, top and bottom pads covering said core, said pads each comprising a plurality of parallel elongated cushions, and means for connecting the pads to said core at the junctures of said cushions.

19. A spring assembly covering of the kind described and in combination, comprising a multiply cover member divided and secured together by spaced stitching into a plurality of connected individual sections and provided with means at the junctures of the sections for attaching to the spring assembly along the junctures of adjacent sections.

20. A covering of the kind described for a spring assembly, comprising a cover member divided into a plurality of individual sections having means for attaching to said spring assembly along the junctures of adjacent sections, means for connecting the cover member adjacent the outer edges of said sections to said spring assembly, and relatively stiff flexible means for reinforcing the edges of the cover member sections.

21. A mattress of the kind described in combination, a spring assembly, a cover member therefor divided transversely into a plurality of individual parallel sections and attached to said spring assembly along the junctures of adjacent sections, stiffening means connected to the cover member adjacent its marginal edges, and means for securing said stiffening member and marginal edges of the cover member to the adjacent edges of the spring assembly.

22. In a mattress of the kind described and in combination, an inner spring construction, a cover unit therefor consisting of a plurality of plies of material including a cover sheet secured together at spaced intervals to provide a unitary pad, the cover sheet provided with resilient reinforcing means about the edges thereof, means for securing the pad at the reinforced edges thereof to the edge portion of the inner spring construction, and means for connecting the pad at the points of securement of the plies together to the inner spring construction.

23. In a mattress of the kind described, and in combination, an inner spring construction unit, a multi-ply cover pad therefor including a cover sheet and filling material secured together by a line of stitching, said cover sheet having a flap constructed to provide a pocket for a reinforcement and secured to the inner side thereof adjacent the edges thereof, a wire reinforcement arranged at the free edge of the flap in said pocket, means for securing said reinforced flap to the spring construction, and means for securing the intermediate portion of the pad at said line of stitching to an intermediate adjacent portion of the spring construction.

24. In a mattress of the kind described and in combination an inner spring construction unit, a cover pad arranged over the unit and consisting of a plurality of plies secured together, the outer ply constituting a cover sheet and provided with a flap at each edge secured at the inner side of the sheet, a wire means for reenforcing the flaps carried by the flaps at the free edge thereof, and means for securing the pad to the construction at the reenforced edge of the flap and a border boxing extending about the construction secured to the edge of the cover sheet

and to the flaps proximate their reenforcement.

25. In a mattress of the kind described and in combination an inner spring unit having a border wire about the edge, a cover pad arranged over the unit and consisting of a plurality of plies secured together and including a filler ply with an overlying fabric ply, resilient reenforcing means extending about the edge of the pad and carried thereby, and means for securing said pad and reenforcing means directly to the spring unit border wire.

26. In a mattress of the kind described and in combination an inner spring unit having a border wire about the edge, a cover pad arranged over the unit and consisting of a plurality of plies secured together by stitching extending across the same and including a filler ply with an overlying fabric cover ply, resilient reenforcing means extending about the edges of the pad and carried thereby, means for securing said pad and reenforcing means directly to the spring unit border wire, and means for securing the intermediate portion of the pad plies to the spring unit at said stitching.

27. The method of constructing a multi-cushion mattress consisting in providing a resilient core, prebuilding a cover pad made up of a plurality of plies of material secured together by lines of stitching extending through the pad and defining a plurality of associated cushions, then securing the pad to the core along the lines of stitching, tensioning the pad and securing the peripheral edges of at least one ply to the edges of the core.

28. The method of constructing a multi-cushion mattress consisting in providing a resilient core, prebuilding a cover pad made up of a plurality of plies of material secured together by lines of stitching extending through the pad and defining a plurality of associated cushions, then securing the pad to the core along the lines of stitching, providing reinforcing means about the edges of the pad, tensioning the pad and securing the peripheral edges of at least one ply and said reinforcement to the edges of the core.

29. The method of constructing a multi-cushion mattress consisting in providing a resilient core, prebuilding a cover pad made up of a plurality of plies of material secured together by lines of stitching extending through the pad and defining a plurality of associated cushions, then securing the pad to the core along the lines of stitching, providing reinforcing means about the edges of the pad, tensioning the pad and securing the reinforcing means and the peripheral edges of at least one ply to the edges of the core, providing a boxing about the core enclosing the edges of the same, then securing said boxing to a ply of the pad.

30. The method of constructing a multi-cushion mattress consisting in providing a resilient core, prebuilding a cover pad made up of a plurality of plies of material secured together by lines of stitching extending through the pad and defining a plurality of associated cushions, securing the pad to the core substantially along the lines of stitching, then tensioning the pad and securing its peripheral edges to the edges of the core, providing a border boxing for the core, arranging a roll of filling material about the edge of the pad and securing the edge of the boxing to the edge of the outer ply of the pad to thereby enclose the roll of filling material to provide a rolled edge, and subsequently securing the lower edge of the boxing.

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