

Dec. 20, 1955

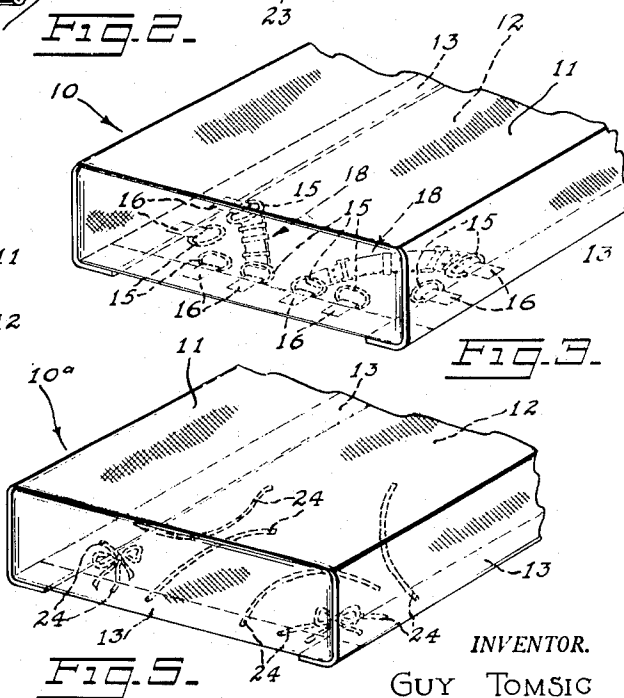
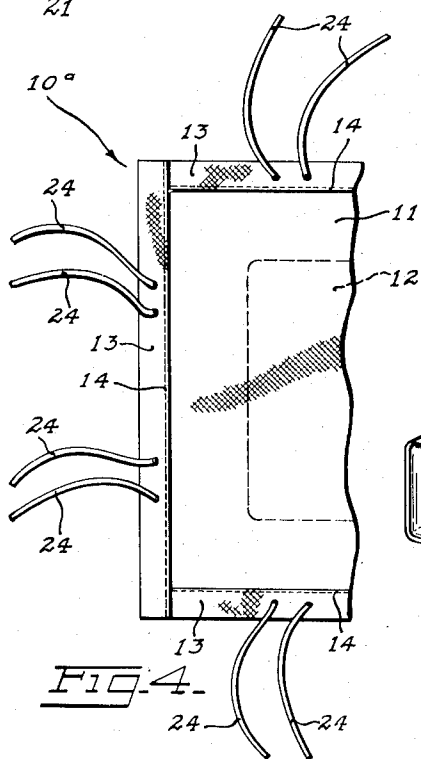
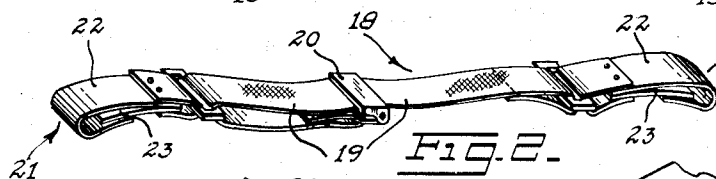
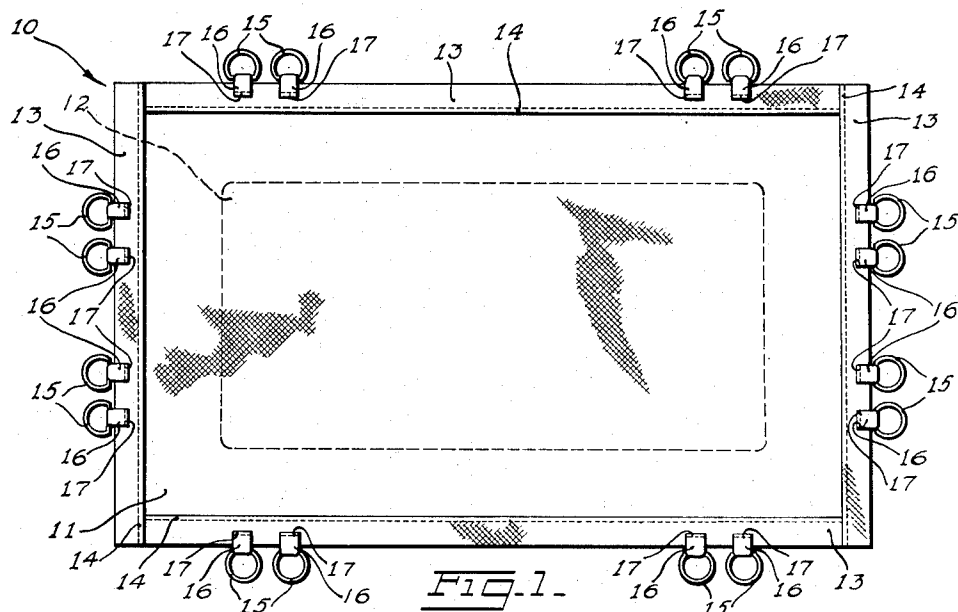
G. TOMSIC

2,727,253

CONTOUR SHEETS FOR MATTRESSES

Filed April 27, 1953

2 Sheets-Sheet 1



INVENTOR.
GUY TOMSIC
BY *Golden Polach*
ATTORNEY

Dec. 20, 1955

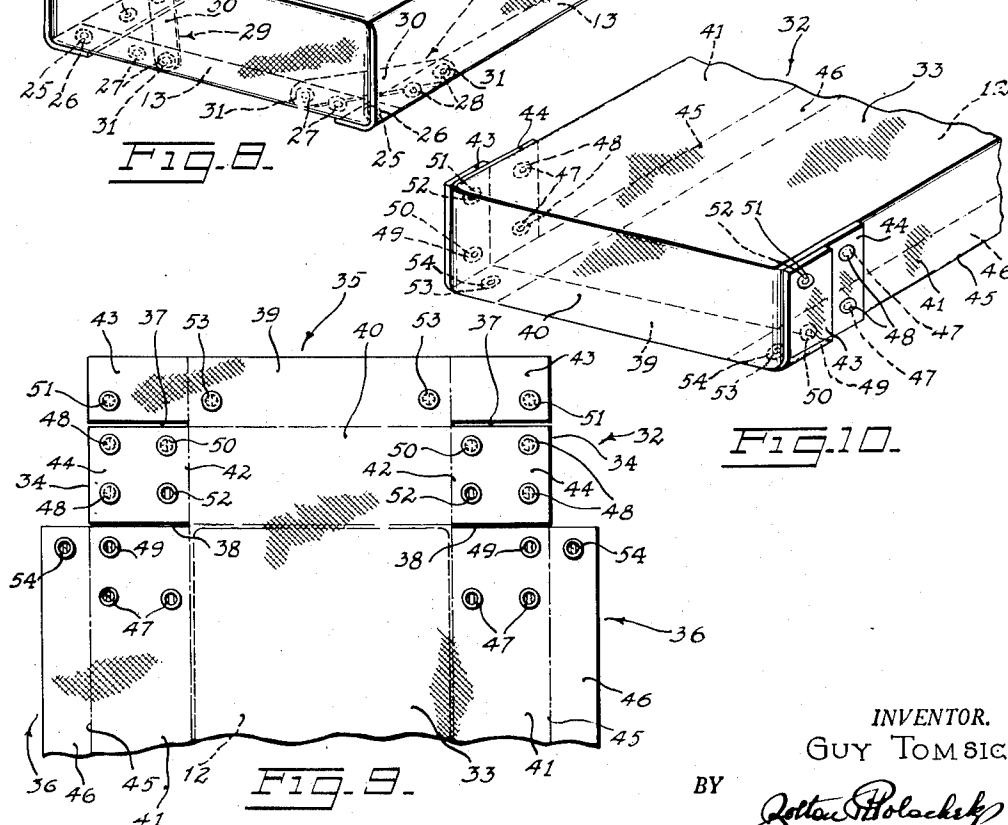
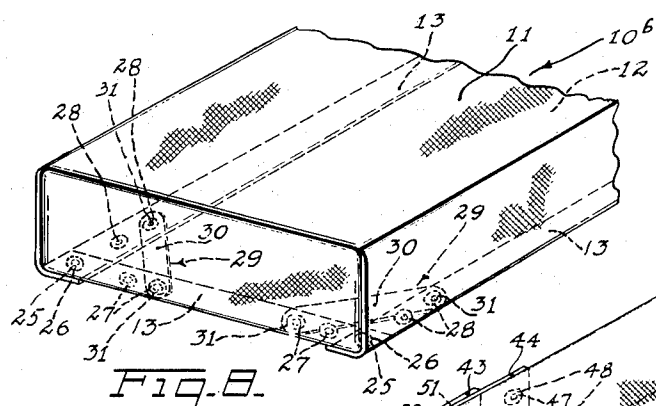
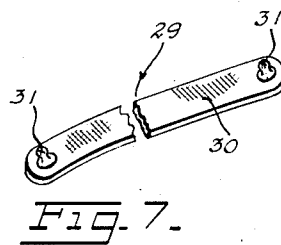
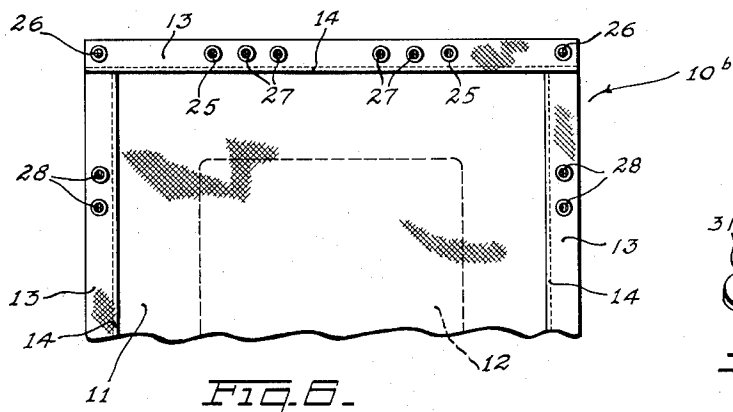
G. TOMSIC

2,727,253

CONTOUR SHEETS FOR MATTRESSES

Filed April 27, 1953

2 Sheets-Sheet 2



INVENTOR.
GUY TOMSIC

BY

John Polachek
ATTORNEY

1

2,727,253

CONTOUR SHEETS FOR MATTRESSES

Guy Tomsic, New York, N. Y.

Application April 27, 1953, Serial No. 351,225

2 Claims. (Cl. 5—335)

This invention relates to sheets and more particularly to contour sheets.

It is an object of the present invention to provide a two way sheet or combination plain and contour sheet.

It is another object of the present invention to provide a sheet of the above type which may be either used as a plain sheet in the conventional manner or as a contour sheet, as desired.

It is still another object of the present invention to provide a sheet of the above type which includes removable and releasable means for tightening the sheet to the contour of the mattress, for keeping the sheet wrinkle proof and for preventing the sheet from sliding on the mattress.

It is still another object of the present invention to provide a sheet of the above type which is adjustable to mattresses of varying sizes and thicknesses.

It is still another object of the present invention to provide a sheet of the above type wherein the means for tightening the sheet to the contour of the mattress are themselves adjustable for mattresses of varying sizes and thicknesses.

Other objects of the present invention are to provide a sheet bearing the above objects in mind which is of simple construction, is inexpensive to manufacture, is easy to use and efficient in operation.

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

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

Fig. 1 is a top plan view of a sheet embodying the features of the present invention, the sheet being shown suspended above a mattress in a flat position.

Fig. 2 is a perspective view of another of the parts of the invention, shown alone.

Fig. 3 is a fragmentary perspective view showing the sheet in position on a mattress as a contour sheet.

Fig. 4 is a fragmentary view similar to Fig. 1 but showing a modified form of the present invention.

Fig. 5 is a fragmentary perspective view showing the sheet of Fig. 4 in operative use on a mattress as a contour sheet.

Fig. 6 is a fragmentary view similar to Fig. 1 but showing a still further modified form of the invention.

Fig. 7 is a perspective view of one of the parts of the modified form of the invention shown in Fig. 6.

Fig. 8 is a fragmentary perspective view of the sheet of Fig. 6 shown in operative use on a mattress as a contour sheet.

Fig. 9 is a view similar to Fig. 1 but showing a still further modified form of the invention.

Fig. 10 is a fragmentary perspective view showing the sheet of Fig. 9 in operative use on a mattress as a contour sheet.

2

Referring now more in detail to the drawing, in which similar reference numerals identify corresponding parts throughout the several views, there is shown in Figs. 1-3 a combination plain and contour sheet, referred to collectively as 10, and including a sheet 11 adapted to cover the top, sides and ends of mattress 12, substantially as illustrated.

The edges of sheet 11 are provided with a reinforced boundary 13 secured in place by stitching 14.

Loops 15 are spaced along the edges of sheet 11 in the manner shown in Fig. 1, these loops being secured in place by strips 16 secured to boundary 13 by stitching 17. It will be noted that these loops are provided in pairs for a purpose which will hereinafter become clear.

The sheet 10 may be used as a plain or conventional sheet in the usual manner.

It may, however, also be used as a contour sheet by first folding the opposite ends of sheet 10 under the ends of mattress 12, as shown in Fig. 3, whereupon the longitudinal sides of sheet 10 are then tucked under, over the end portions thereof. This brings the loops 15 into adjacency in the manner shown in dotted outline in Fig. 3.

Adjustable straps 18 are provided for connecting the adjacent loops 15, these straps consisting of fabric strips 19 adjustable in length by means of buckles 20 in a manner well known to those skilled in the art and carrying at their ends snap hooks 21 adapted to releasably engage the loops 15, as shown in Fig. 3. Each hook 21 consists of a hooked metal portion 22 and a spring element 23 adapted to be displaced when inserting the loops 15, as will be obvious.

One hook 21 of strap 18 is secured to one of the loops carried by the longitudinal sides of sheet 10 while the other hook 21 of strap 18 is releasably secured to one of the loops carried by the ends of sheet 10, one such strap being thus positioned across each corner of the bottom face of mattress 12, as shown in Fig. 3. Thus the sheet 10 is tightened to the contour of the mattress 12, the sheet 10 is prevented from sliding on the mattress and is rendered substantially wrinkle-proof. By removing the straps 18 from the aforesaid positions, the sheet 10 is adapted to be used as a plain or conventional sheet.

The loops 15 are provided in pairs, permitting the sheet 10 to be adjusted for differently sized mattresses 12. The straps 18 are also adjustable in length for differing sizes of mattress 12, as will be obvious.

Thus there have been provided removable, releasable means for securing the sheet 10 in place as a contour sheet, these means being in turn adjustable for different sized mattresses, and being readily removable permitting the use of the sheet in the conventional or plain manner.

Referring now particularly to Figs. 4 and 5, there is shown a modified form of the invention, referred to collectively as 10^a, and differing from the first form of the invention in the replacement of the loops 15 and straps 18 by flexible strips 24, substantially as illustrated. The strips 24 are tied together, as shown in Fig. 5, when it is desired to secure the sheet 10^a in position as a contour sheet, these strips being provided in pairs to adjust the sheet to differently sized mattresses.

In other respects the form of the invention shown in Figs. 4 and 5 is the same as that shown in Figs. 1-3 and like reference numerals identify like parts throughout the several views.

Referring now particularly to Figs. 7 and 8, there is shown a still further modified form of the present invention, referred to collectively as 10^b, and differing from the first form in the replacement of the loops 15 and straps 18 by snap fastening elements, substantially as illustrated.

3

The end strips 13 are provided near each end with snap fastening elements 25 adapted to releasably engage complementary snap fastening elements 26 provided on the underside of side strips 13 when the sheet is in the position of Fig. 8, thus securing the corners of the contour.

Snap fastening elements 27 are provided adjacent the elements 25 while snap fastening elements 28 are provided adjacent the elements 26 but on the upper side. These elements 27 and 28 are releasably connected by means of tie straps 29, as shown in Fig. 8, thus securing the sides and ends of sheet 10^b about the contour of the mattress in tight engagement.

Each tie strap 29 consists of a strip 30 of fabric carrying a snap fastening element 31 at each end adapted to engage the snap fastening elements 27 and 28, as will be obvious.

The sheet 10^b has the advantage over the sheets 10 and 10^a in that the tie straps 29 may be removed, rendering the sheet 10^b substantially identical in appearance with a plain sheet, when it is desired to use the sheet 10^b in this manner.

In other respects, the form of the invention shown in Figs. 7 and 8 is identical with that shown in Figs. 1-3 and like reference numerals identify corresponding parts throughout the several views.

Referring now particularly to Figs. 9 and 10, there is shown a still further modified form of the present invention, referred to collectively as 32, and including a sheet 33, substantially as illustrated.

The sheet 33 is provided at each corner with elongated cut-outs 34 defining end portions 35 and side portions 36.

Transverse slits 37 extend inwardly from each side of end portions 35, defining flaps 39, while transverse slits 38 extend inwardly from each side of end portions 35 at the ends of side portions 36, defining flaps 40 and 41.

The flaps 39 and 40 are provided with aligned, longitudinal fold lines 42 defining tongues 43 and 44, while the flaps 41 are provided with longitudinal fold lines 45 defining tongues 46.

With the sheet 32 on the mattress 12, the side flaps 41 will hang vertically at the sides of the mattress, as shown in Fig. 10, while the flaps 39 and 40 will hang vertically at the ends of the mattress.

The ends of flaps 41 are provided with snap fastening elements 47 adapted to engage complementary elements 48 provided on the underside of tongues 44, as shown in Fig. 10, securing the sheet 32 about the sides and ends in the manner indicated.

Additional elements 49 are provided at the ends of flaps 41 and are adapted to engage complementary elements 50 provided in tongues 44, as will be obvious.

Flaps 39 are folded under the mattress 12, as shown in Fig. 10, while tongues 43 are provided on the undersides thereof with snap fastening elements 51 adapted to releasably engage elements 52, securing tongues 43 to tongues 44 and thereby flaps 39 below the mattress.

Side flaps 46 are then folded under the mattress 12 below the ends of flaps 39, the adjacent faces of overlapping flaps 39 and 46 being releasably secured together by means of complementary snap fastening elements 53 and 54.

It should now be apparent that there has been provided a two way sheet or combination plain and contour sheet. It should also be apparent that there has been provided a sheet of the above type which may be either used as a plain sheet in the conventional manner or as a contour sheet, as desired, and which includes removable and releasable means for tightening the sheet to the contour of the mattress, for keeping the sheet wrinkle proof and for preventing the sheet from sliding on the mattress. Finally, there has been provided a sheet which is adjustable to mattresses of varying sizes and thicknesses and wherein the means for tightening the sheet to the contour of the

4

mattress are themselves adjustable for mattresses of varying sizes and thicknesses.

It is to be understood that instead of straps 18, cords pulled through suitably located eyelets may be used for securing the contour sheets in position.

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. A combination plain and contour sheet comprising a sheet adapted to cover the top, sides and ends of a mattress and releasable means carried by the end and side edges of said sheet adapted to be interconnected at the corners of the mattress at both ends thereof whereby to tensionally secure said sheet across the top, sides and ends of the mattress, said means comprising said sheet having elongated cut-out portions at the corners thereof defining end and side portions, said end portions at each side thereof having a pair of inwardly extending longitudinally spaced slits, said slits being laterally aligned and defining inner and outer end flaps, said inner and outer end flaps near each end thereof having longitudinally aligned fold lines defining inner and outer tongues, said side portions having longitudinal fold lines aligned with said inner and outer flap fold lines, said side portions having second longitudinal fold lines aligned with the ends of said end flaps and defining inner and outer side flaps, and releasable means securing said inner tongues to the ends of said inner side flaps, said outer tongues to said inner tongues and the ends of said outer side flaps to the ends of said outer end flaps.

2. A combination plain and contour sheet comprising a sheet adapted to cover the top, sides and ends of a mattress and releasable means carried by the end and side edges of said sheet adapted to be interconnected at the corners of the mattress at both ends thereof whereby to tensionally secure said sheet across the top, sides and ends of the mattress, said means comprising said sheet having elongated cut-out portions at the corners thereof defining end and side portions, said end portions at each side thereof having a pair of inwardly extending longitudinally spaced slits, said slits being laterally aligned and defining inner and outer end flaps, said inner and outer end flaps near each end thereof having longitudinally aligned fold lines defining inner and outer tongues, said side portions having longitudinal fold lines aligned with said inner and outer flap fold lines, said side portions having second longitudinal fold lines aligned with the ends of said end flaps and defining inner and outer side flaps, and releasable means securing said inner tongues to the ends of said inner side flaps, said outer tongues to said inner tongues and the ends of said outer side flaps to the ends of said outer end flaps, said last-mentioned means comprising complementary snap fastening elements provided on said inner tongues and the ends of said inner side flaps, complementary snap fastening elements provided on said outer tongues and said inner tongues, and complementary snap fastening elements provided on the ends of said outer side flaps and the ends of said outer end flaps.

References Cited in the file of this patent

UNITED STATES PATENTS

924,733	Carswell	June 15, 1903
2,462,156	Berman	Feb. 22, 1949
2,569,627	Black	Oct. 2, 1951
2,630,588	Levin	Mar. 10, 1953
2,683,267	Weil	July 13, 1954

FOREIGN PATENTS

470,129	Canada	Dec. 19, 1950
---------	--------	---------------