

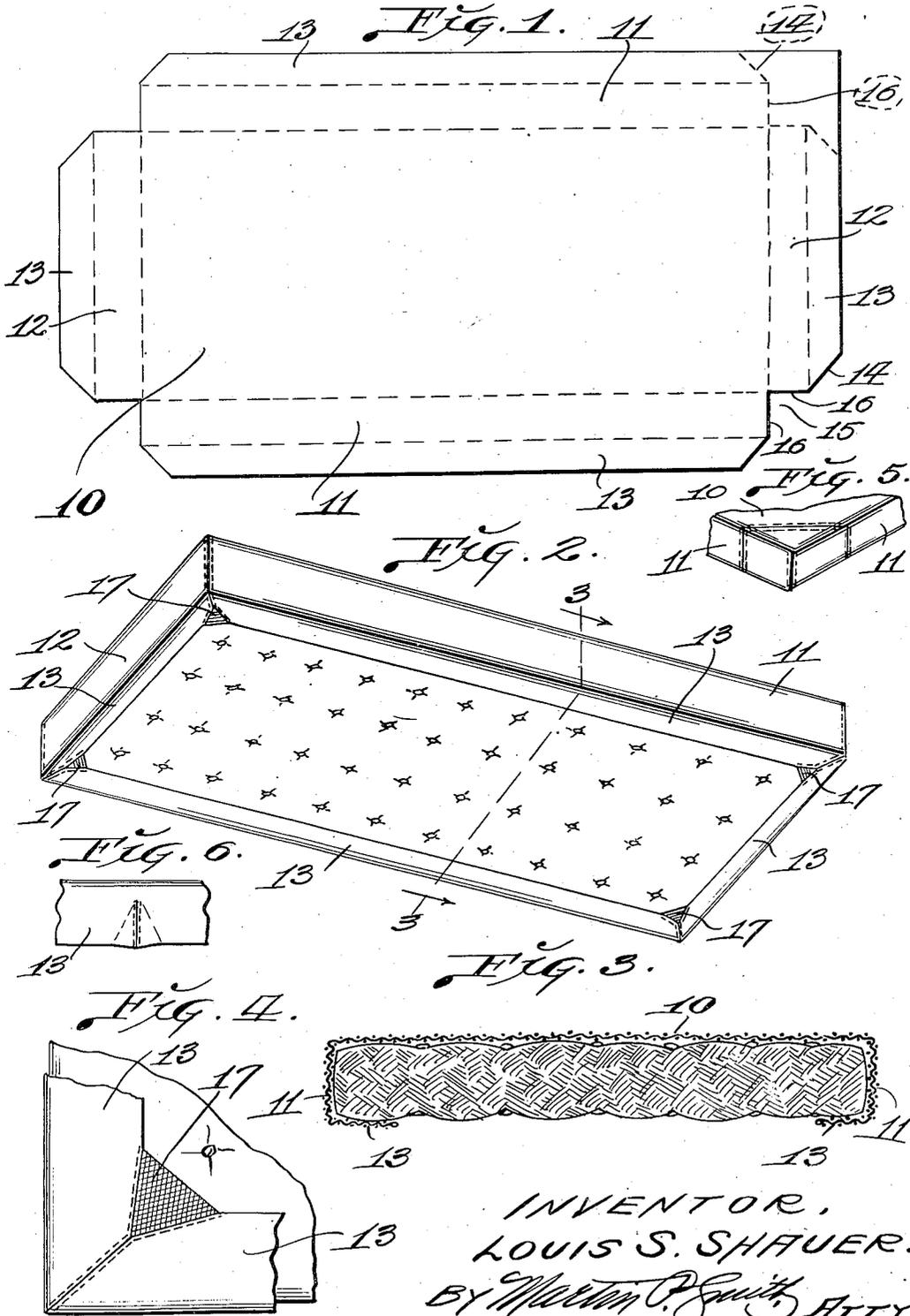
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L. S. SHAUER

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MATTRESS COVERING BED SHEET

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INVENTOR,
LOUIS S. SHAUER.
BY *Martin C. Smith* ATT. Y.

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MATTRESS COVERING BED SHEET

Louis S. Shauer, Los Angeles, Calif.; Leon S. Shauer administrator of said Louis S. Shauer, deceased

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My invention relates generally to beds, and more particularly to a sheet that is constructed so as to function as a mattress cover, and one of the principal objects of my invention is, to construct a bed-covering sheet wherein the main body portion is composed of a single piece of fabric cut to proper shape and having its corners united by stitching or otherwise, so as to form depending portions that overlie the sides and ends of a mattress and also portions that extend a short distance inwardly on the under side of the mattress from the sides and ends thereof, thus providing a covering sheet that will retain its position on the mattress, and which sheet, in use, will not pull and wrinkle as a result of movements of the occupant of the bed of which the mattress forms a part.

A further object of my invention is, to provide a mattress-covering sheet that may be easily and quickly applied to or removed from the mattress, thereby effecting a material saving of time and labor in making up beds, which consideration is especially important in hotels, hospitals and the like, where a large number of beds are in use.

A further object of my invention is, to construct a mattress-covering sheet, and particularly the sides, ends and corners thereof, so that the latter will fit neatly without wrinkles over the sides and ends of the mattress.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangements of parts that will be hereinafter more fully described and claimed and illustrated in the accompanying drawing in which:

Figure 1 is a plan view of the mattress-covering sheet, cut to proper shape and illustrating the same as it appears before the corner edges are sewn together to form the side and end covering portions.

Figure 2 is a perspective view looking against the under side of a mattress to which one of my improved sheets is applied.

Figure 3 is a cross section taken on the line 3—3 of Figure 2.

Figure 4 is a detail view looking against the under side of one of the corners of the mattress-covering sheet.

Figure 5 is a perspective view of a modified form of the corner construction.

Figure 6 is a detail view of a modified form of that portion of the sheet that underlies the mattress.

tion of the mattress-covering sheet is formed from a single piece of fabric, substantially rectangular in shape and this single piece of material comprises a rectangular portion 10 that corresponds in size and shape to the top of the mattress to which the sheet is to be applied and portions 11 of the fabric forming the main body portion 10 constitute side strips that are adapted to overlie the sides of the mattress. Corresponding portions 12 at the ends of the main body portion 10 of the fabric constitute strips that are adapted to overlie end faces of the mattress.

Between the side and end covering portions 11 and 12 and the outer edges of the fabric utilized in producing the mattress cover, narrow portions 13 of the fabric constitute strips that are adapted to extend inwardly from the lower portions of the side and end covering strips 11 and 12 and to lie immediately beneath the under face or surface of the mattress.

To produce the side and end covering portions 11 and 12 and the underlying portions 13, the corners of the rectangular piece of fabric from which the covering sheet is formed are cut away on diagonal lines designated by 14, and which lines are disposed at 45° relative to the side and end edges of the sheet and intermediate the ends of the inclined edges 14, the fabric is cut away to form notches 15, the edges 16 of which are respectively parallel with the side and end edges of the fabric from which the covering sheet is formed.

After the fabric has been cut to the shape as just described, and as illustrated in Figure 1, the edges 16 of the notches 15 are brought together and stitched and likewise the edges 14 are brought together and stitched, with the result that when the covering sheet is completed, the portions 11 and 12 overlie respectively the sides and ends of the mattress and the portions 13 underlie those portions of the mattress immediately adjacent the side and end faces thereof.

In order to strengthen the corners between the underlying portions 13 of the cover, substantially triangular gussets 17, of material somewhat heavier than the material from which the sheet is formed, are inserted in the corners between the inner edges of the underlying strip portions 13 and to accommodate a certain amount of pulling strains without tearing, these gussets 17 may be formed from elastic material, knitted fabric or the like. (See Fig. 4.) In some instances, it may be found desirable to produce the mattress cover without the gussets 17.

Instead of forming the main body portion of

As illustrated in Figure 1, the main body por-

the sheet from a single piece of material, my invention contemplates the construction of a covering sheet having separately formed corner portions that are suitably secured to the corners of the main body of the sheet, as illustrated in Fig. 5; and further, the members 13 that underlie the mattress may be connected with lacings or with longitudinally or transversely disposed straps.

In order to take up any slack that might develop in the underlying portions 13 of the cover, substantially V-shaped portions may be cut from the intermediate portions of said underlying members and the edges of the material at the sides of the cut-away portions brought together and stitched so as to cause the underlying portions to lie practically flat against the under side of the mattress. (See Fig. 6.)

Further, the covering member constructed in accordance with my invention may be utilized as a cover for cots, day beds, surgical tables, pallets and the like, and also as a cover for benches, tables and other pieces of furniture.

A sheet of my improved construction may be easily and quickly applied to or removed from a mattress, and when properly positioned thereupon, the sides and ends fit neatly over the side and end faces of the mattress and the main body portion 10 of the sheet is maintained in smooth condition on the upper surface of the mattress.

Inasmuch as the main body portion of my improved mattress-covering sheet is formed from a single piece of fabric, a material saving of time, labor and consequent expense in the manufacture of the covering sheets is effected.

Thus it will be seen that I have provided a mattress-covering sheet that is relatively simple in construction, inexpensive of manufacture and very effective in performing the functions for which it is intended.

It will be understood that minor changes in the size, form and construction of the various parts of my improved mattress-covering sheet may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. As a new article of manufacture, a mattress covering sheet, comprising an inverted box-like member having a closed top for covering the upper surface of a mattress, depending end and side walls to cover the sides and ends of said mattress and inwardly directed extensions of the elongated free edges of said end and side walls underlying marginal portions of the bottom of said mattress, said extensions being trapezoidal in plan, adjacent ends of said extensions being connected to provide a continuous rectangular flange, and a resilient reinforcing gusset at each corner of said flange, straight edge portions of said gussets extending across said corners inwardly thereof.

2. As a new article of manufacture, a mattress covering sheet, comprising an inverted box-like member having a closed top for covering the upper surface of a mattress, depending end and side walls to cover the sides and ends of said mattress and inwardly directed extensions of the elongated free edges of said end and side walls underlying marginal portions of the bottom of said mattress, said extensions being trapezoidal in plan, adjacent ends of said extensions being connected to provide a continuous rectangular flange, and a resilient triangular reinforcing gusset at each corner of said flange, the bases of said gussets extending across said corners inwardly thereof.

LOUIS S. SHAUER.