

March 10, 1953

M. LEVIN

2,630,588

BED SHEET

Filed Aug. 1, 1951

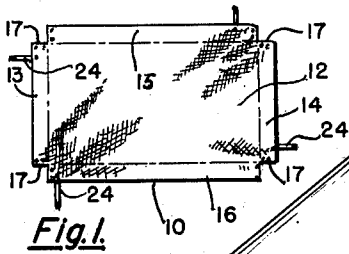


Fig. 1.

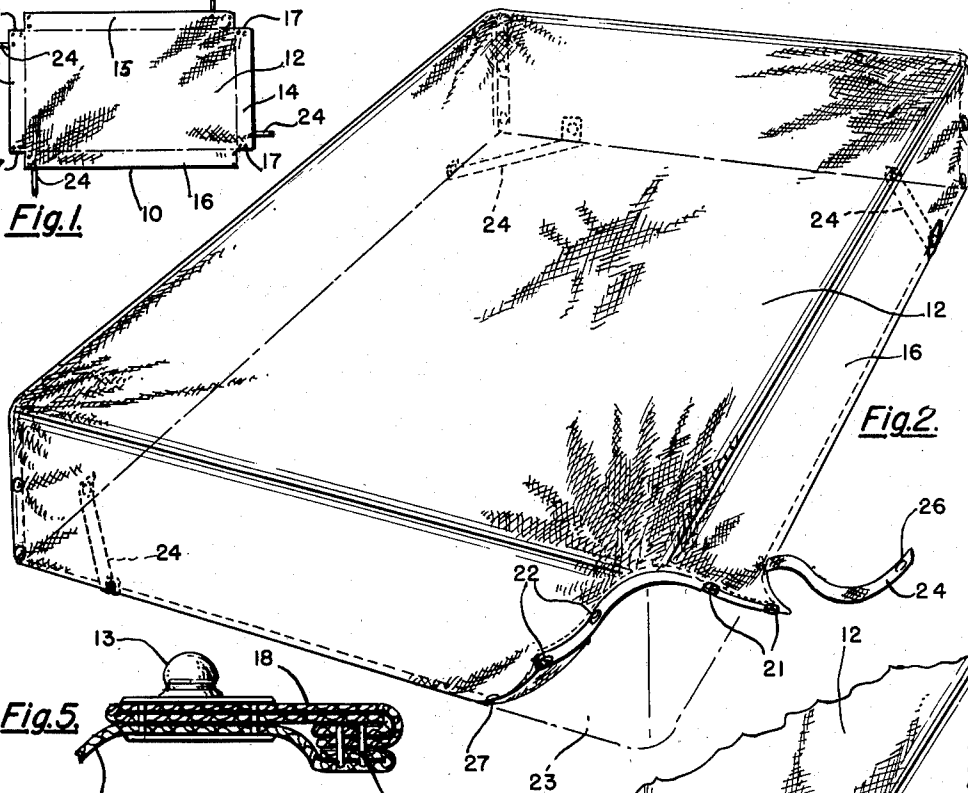


Fig. 2.

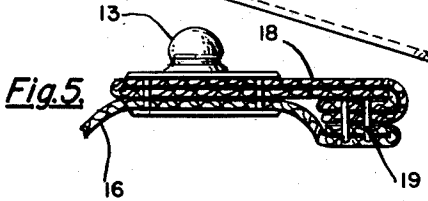


Fig. 5.

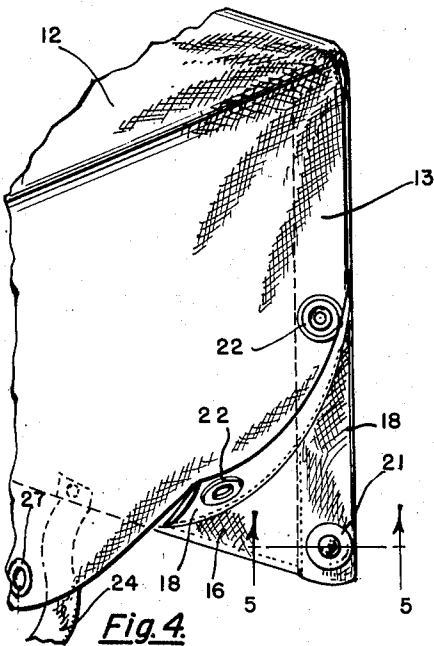


Fig. 4.

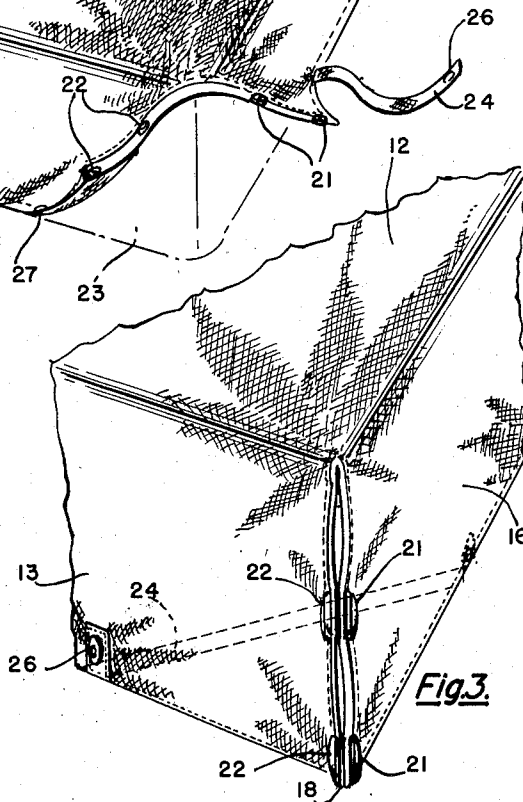


Fig. 3.

INVENTOR.
MAX LEVIN

BY *Max R. Kraus*

ATTORNEY

UNITED STATES PATENT OFFICE

2,630,588

BED SHEET

Max Levin, Chicago, Ill.

Application August 1, 1951, Serial No. 239,762

1 Claim. (Cl. 5—354)

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My invention relates to an improved bed sheet construction.

One of the objects of my invention is the provision of a bed sheet which will remain in proper position upon the mattress during use without shifting, wrinkling or buckling.

Another object of my invention is the provision of a bed sheet utilizing a minimum amount of material.

Another object of my invention is the provision of a bed sheet so constructed that it will fit neatly without wrinkles over the sides and ends of the mattress.

Still another object of my invention is the provision of a bed sheet which in unfolded condition may lie flat thereby facilitating the laundering thereof.

Still another object of my invention is the provision of a bed sheet constructed with reinforcing means so that stresses applied to the sheet are absorbed by the said reinforcing means, thereby enhancing the life of the article to a high degree.

Other and further objects and advantages of my invention will become apparent from the following description when considered in connection with the accompanying drawings in which:

Fig. 1 is a plan view of a bed sheet embodying my invention.

Fig. 2 is a perspective view showing my improved bed sheet as applied to a mattress.

Fig. 3 is a fragmentary perspective view on an enlarged scale showing a corner section of my improved bed sheet as applied to a mattress.

Fig. 4 is a similar view showing an end portion of the bed sheet partially turned up.

Fig. 5 is a cross-sectional view taken on line 5—5 of Fig. 4.

Referring to the drawings, my improved bed sheet construction is formed from a blank 10, having a body portion 12, integral end extensions 13 and 14 and integral side extensions 16 and 15, extending beyond the body portion 12. As will be seen by reference to Fig. 1, the side extensions 16 and 15 terminate short of the end extensions 13 and 14 leaving substantially square indentations 17 at each of the corners. Stitched to the marginal edges of each indentation 17 is a reinforcing member 18 which may consist of a tape or webbing, but which in the embodiment illustrated, comprises a section of fabric similar to the fabric of the sheet and reversed upon itself to provide a double ply. The free longitudinal edges of the said section are stitched as at 19 to the marginal edges of the indentation, in the manner illustrated clearly in Fig. 5. The said reinforcing member 18 extends completely along

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the marginal edges of the indentation 17 with the seam 19 being inwardly disposed when the reinforcing member 18 lies contiguous to the marginal edges of the indentation 17, thus providing finished outer edges as illustrated in Fig. 5. Complementary snap fastening elements 21 and 22 are attached to the marginal edges of the indentation 17, the said elements being secured through the reinforcing member 18, as illustrated in Fig. 5.

Referring to Figs. 2, 3, and 4, when the bed sheet is placed over a mattress 23 and the complementary snap fastening elements 21 and 22 are engaged, sharp corners are formed. The end and side extensions 13, 14 and 16, 15, respectively, fit snugly about the sides and ends of the mattress 23 and the body portion 12 lies substantially taut over the top surface of the said mattress.

For the purpose of holding the bed sheet in position, four straps 24 are employed which are stitched or riveted to the side and end extensions at points spaced from the ends thereof, in the manner illustrated in Figs. 1 and 2. These straps may be formed of the same material as the bed sheet fabric or may be formed of elastic or any other suitable material and each strap is provided at its free end with a snap fastening element 26 complementary to a similar element 27 secured on an adjacent end or side portion. Thus, each of the said straps extends diagonally across a corner of the mattress, underneath thereof, and serves to secure each corner of the bed sheet to the mattress, thereby locking the sheet in position so that in use it will lie flat at all times.

It will be apparent that the bed sheet may be readily removed from the mattress by separation of the complementary fastening elements.

The advantages of my invention are manifest. The bed sheet construction is extremely simple and practical and may be made at the same or only slightly greater cost than conventional bed sheets. The reinforcing element 18 absorbs substantially all of the stresses applied to the corner indentations of the bed sheet so that there is no likelihood of the sheet being damaged while in service. It is apparent that in the present embodiment, the corner of the indentation 17 would normally be a point of weakness of the sheet. However, because of the presence of the continuous reinforcing member 18 no tensile stresses can actually be directly applied to the said corner.

Additionally, application and removal of the bed sheet to and from the mattress is easily accomplished because the marginal edges of the

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indentation 17 are fastened together in convenient abutting relationship, as illustrated in Figs. 3 and 4. Another important feature of my invention, is the fact that the sheet during laundering, has no pockets which may entrap air and, accordingly, the sheet in commercial laundering thereof may be caused to lie flat so that it may be ironed without the presence of any wrinkles.

I claim:

A bed sheet comprising a rectangular body portion, a pair of opposite end extensions and a pair of opposite side extensions, said side and said end extensions both extending outwardly from said body portion for substantially the same distance, a reinforcing member attached to adjacent marginal edges of said side and said end extensions at each corner of the body portion, complementary snap fastening elements attached to said adjacent marginal edges and to said rein-

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forcing member with the fastening elements facing inwardly so that when said elements are engaged adjacent side and end extensions form box-like corner portions, and a strap secured to one of said extensions proximate to each corner portion and having snap fastening means removably engageable with complementary fastening means on an adjacent extension and adapted to underlie a mattress on which the sheet is placed.

MAX LEVIN.

REFERENCES CITED

The following references are of record in the file of this patent:

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