Sept. 6, 1927. 1,641,231

R. M. NEILSON

MATTRESS CASE

Filed Dec. 18, 1926

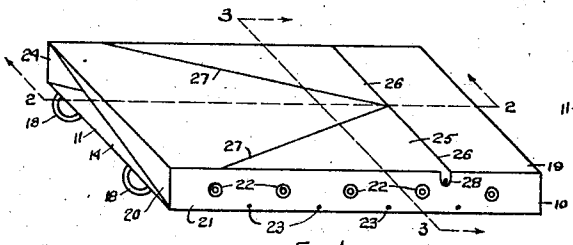


Fig. 1.

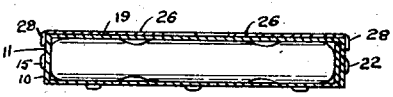


Fig. 3.

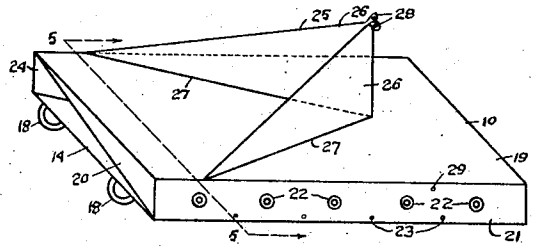


Fig. 4.

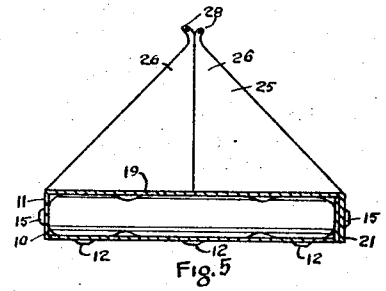


Fig. 5

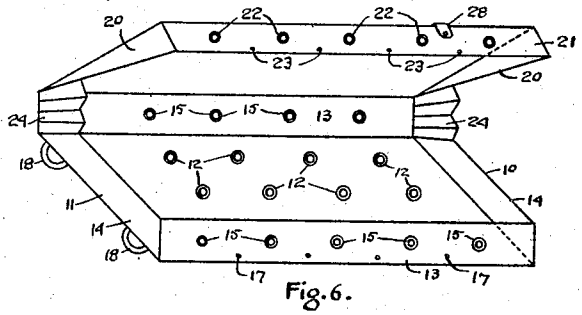


Fig. 6.

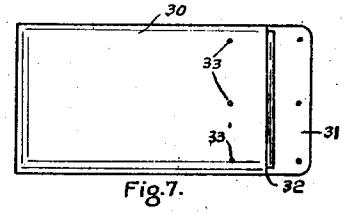


Fig. 7.

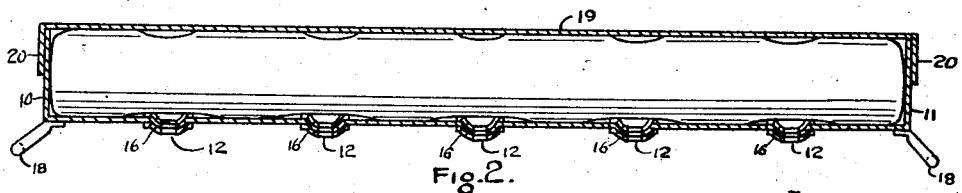


Fig. 2.

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UNITED STATES PATENT OFFICE.

ROBERT MOORHEAD NEILSON, OF MONTREAL, QUEBEC, CANADA.

MATTRESS CASE.

Application filed December 18, 1926. Serial No. 155,615.

The invention relates to a mattress case, as described in the present specification and illustrated in the accompanying drawings that form part of the same.

The invention consists essentially of the novel features of construction pointed out in the claim for novelty following a description containing an explanation in detail of an acceptable form of the invention.

The objects of the invention are to furnish a protector for mattresses and pillows particularly useful for sicknesses in hospitals and private and other homes; to eliminate the unsanitary conditions existing with the plain cotton mattress and pillow, following and during contagious diseases such as incontinence of urine or the running of any infectious matter, handkerchiefs containing tubercular sputum, pus, or contact of contaminated hands, vomiting or any other similar disorder which practically prevent any possibility of proper disinfectant to the mattress, or pillow; to facilitate the disinfection and clean by washing over a flat, flexible unabsorbent surface with antiseptic solutions without soiling or dampening the mattress or pillow in any way; to permit the proper ventilation of the mattress through openings so constructed and placed so as to avoid moistening of mattress by wash towel; to construct a mattress case that will be especially adapted for confinement cases; to facilitate sponge bath and avoid the dangers of contagion and to promote cleanliness; and generally to provide a case that will be cheap to manufacture and efficient for its particular purposes.

In the drawings, Figure 1 is a perspective view of the mattress case.

Figure 2 is a longitudinal sectional view on the line 2—2 in Figure 1.

Figure 3 is a cross sectional view on the line 3—3 in Figure 1.

Figure 4 is a perspective view of the mattress case showing the triangular shaped wings opened and tied together.

Figure 5 is a cross sectional view on the line 5—5 in Figure 4.

Figure 6 is a perspective view of the mattress case opened and ready to receive the mattress.

Figure 7 is a view showing the case used for a pillow.

Like numerals of reference indicate corresponding parts in the various figures.

Referring to the drawings, the mattress case 10 is adapted to completely envelop the mattress when in use and prevent any matter coming in contact therewith which would be detrimental to any future user of the mattress.

The case 10 is of rectangular shape and is formed into a body portion 11 made of fabric or other suitable material and having in the bottom a number of air holes 12.

The body portion 11 has the front and rear walls 13 and side walls 14, the front and rear walls 13 containing a number of air holes 15 having rubber washers 16 each formed of a flattened inner surface and an outer rounded or convex face. The front wall 13 is also provided with fastening means 17 and the side walls 14 have depending loops 18 for lifting or handling the case containing the mattress.

The body portion 11 is so constructed as to be closed by a cover 19 having one end integrally attached to the rear end wall 13 and its other ends terminating into depending side walls 20 and front wall 21, and which overlap the side walls 14 and front wall 13 of the body portion.

The front wall 21 of the cover 19 has a number of air holes 22 having rubber washers similar to those in the air holes 15 of the front and rear walls of the body portion and has also a number of fasteners 23 adapted to coact with the fasteners 17 when the cover is in closed position.

At the junction of the walls 14 and 20 a pair of bellows connections 24 are provided which adequately close the end walls of the case preventing moisture entering the case and penetrating the mattress. Another important feature of this invention resides in the use of the apron 25 attached by suitable means to the cover 19 and this apron is formed with lateral wings 26 foldable about the lines 27 so that the apron may be closed around the shoulders of the patient and fastened at the lugs 28 to prevent liquids from running back or spreading across the casing so that the drainage of the liquids will be in one positive direction and thus easily controlled.

When not in use the lugs 28 on the lateral wings 26 can be attached to the case by means of the fasteners 29.

In Figure 7 the case is shown as applicable for a pillow slip and which is formed of the body portion 30 having an opening along

one edge of which the flap 31 is secured and the other edge of the opening forms the hinge line of the outer flap 32 having fasteners 33 engaging with corresponding fasteners on the body portion 30 to properly close the pillow slip.

In the use of the device, the material of which the case is manufactured will render it impervious to moisture, while at the same time it will possess the desired flexibility to contribute to the comfort of the patient. When the case is to be used, the fasteners are undone and the cover opened and the mattress as a unit is placed therein and the cover is then closed and fastened and it will be seen that although the mattress is totally enveloped it is thoroughly ventilated at all times by the air holes.

When it is necessary to sponge off the case or disinfect or otherwise attend to the same, and liquids are used for this purpose then any water or moisture flowing over the edges of the case cannot penetrate into the case even at the air holes because the rounded contour of the washers will carry the water or moisture clear off the said hole and allow it to drip below the under edge of the holes and thereby safe guarding the mattress during this disinfectant process.

What I claim is:—

A mattress case, comprising a body portion having peripheral walls and fastening means and a cover having peripheral walls and fastening means coacting with the walls and fastening means of said body portion, said cover being hinged integrally with said body portion, and an apron secured to said cover and having lateral wings adapted to encircle the upper portion of a person and means for ventilating said case.

Signed at Montreal, Canada, this 6th day of December, 1926.

ROBERT MOORHEAD NEILSON.