

Description

This invention relates to a nappy changing bag.

One form of currently-available nappy changing bag comprises a small sack closable by a draw-string and having a number of external pockets. Spare disposable nappies and liners are carried in the sack and ointments and talcum powder containers can be fitted into the external pockets.

GB-813,414 discloses a carrier bag which is intended for use as a beach bag and which is made by folding over two end flaps on an elongated rectangular strip and sewing around the flaps. The two pockets formed in this manner are spaced apart by a web equal in length to twice the depth of the pockets. The carrier bag can be carried as a brief case with three compartments (two formed by the pockets and one by the web), and when empty can be placed flat on the ground to act as a ground sheet. This does not lend itself to use as a nappy changing bag because it must be emptied before it can be used to support a baby.

The present invention seeks to provide a bag able to provide a mat on which the baby may be rested during changing and which can hold the various items needed for changing a nappy in a position in which they can be accessed readily during the nappy changing operation.

According to the present invention, there is provided a nappy changing bag having a utilisation mode of use and a carrying mode of use and comprising two spaced compartments which remain upwardly-opening in both modes of use, a flexible mat having one pair of opposed edges respectively attached to the lower portions of the two compartments which are arranged in horizontally-spaced parallel relationship with the mat spanning between them when the bag is in its utilisation mode, means and for holding the two compartments together with the mat folded between them when the bag is in its carrying mode, and means for carrying the bag.

Because the two compartments remain upright when the bag is folded, there is no danger of their contents spilling when the bag is being carried from place-to-place.

Preferably the mat has extension flaps at each end which, when the bag is folded up, are folded over the portion of the mat spanning between the two compartments. When the bag is unfolded, the flaps lie respectively under the baby's head and legs.

Conveniently, an external end chamber may be provided containing a block of a heat-insulating material having upright storage wells into which feeding bottles can be placed in order to maintain their contents warm for an extended period.

It is preferred to have the compartments arranged one above the other when the bag is in its carrying mode but it alternatively possible to arrange the handles as running loops extending through holding loops on the two compartments so that the two compartments can be drawn

together horizontally with the mat folded between them. End fasteners, for example, may also be used to hold the two compartments together in addition to the handles. Alternatively, the handles may be attached to the respective compartments and the end fasteners alone used to hold the compartments together with the mat folded between them.

The invention will now be described in more detail, by way of example, with reference to the accompanying diagrammatic drawings, in which:-

FIGURE 1 is a perspective view from one side of a folded up nappy changing bag.

FIGURE 2 is a perspective view of the other side of the bag of figure 1.

FIGURE 3 shows the bag opened out and partially exploded.

FIGURE 4 is a perspective view from above of a foam plastics block used as an insert in an end-compartment of the bag.

Description of the Preferred Embodiment

Figures 1 and 2 show a nappy changing bag 1 made of soft padded plastics material and providing two separate parallelepiped compartments 2 and 3 arranged one above the other. The lower compartment 2 has an external chamber 4 provided with a removable lid 5 held in place by a pair of spaced press studs 6.

A pair of cloth carrying handles are stitched at 8 to the lower opposite sides of the bag 1 to enable the bag to easily carried in one hand by handles 7.

A lid 9 is hinged along one edge 10 to the upper side of the upper compartment 3 and is held closed by a pair of press studs 12. A strap handle 14 is provided on the top of the lid 9.

Figure 3 shows the bag 1 unfolded on a level surface with the two compartments 2 and 3 open. Spanning between the compartments is a central portion of a padded mat 20 on which the baby being changed is placed. The mat 20 has extension flaps 21 and 22 at opposite ends which are folded over the central portion of the mat when the bag is in its folded up state. The lower compartment 2 is provided with a lid 24 held closed by press stud fastenings 25. The compartment 2 has an integral sub-compartment 26 at its end remote from the chamber 4. Side pouches 37 are provided in the compartments 2, 3 and 26, as shown. Compartment 26 has a lid 28 held down by press stud fastenings 29.

The chamber 4 and its lid 5 each contain a block of foam plastics material 30, of the shape shown in figure 4, fitted into them. The blocks 30 have registering wells 31 for receiving two baby feeding bottles (not shown) respectively. As foamed plastics material is a good thermal insulator, the blocks keep the bottles warm for a prolonged period. Interengaging dowels and sockets 33 in the blocks 30 enable them to locate together when the lid 5 is fitted onto the chamber 4.

An edge strip 50 equipped on its underside with two press stud fastenings 16 is provided at one side of the mat 20 and is attached to the mat 20

adjacent the compartment 3. Complementary press stud fastenings are provided on the upper portion of one side of the compartment 2 as shown in figure 3. A central tongue 54 is provided on the lower outside edge of the upper compartment, and its underside is faced with a rip-fastening material such as that commercially available under the registered trade mark "VELCRO" and identified on the figure at 55. A complementary fastening strip 56 is provided on the underside of the mat 20 so that, when the mat is folded over, the top of the lower compartment 2, the two complementary fastening strips 55 and 56 can be engaged with one another to hold down the side of the upper compartment 3 on which the lid 9 is hinged. In consequence, the two compartments are held on one another when in their stacked position shown in figures 1 and 2, by the tongue 54 and the strip 50.

Operation of the Preferred Embodiment

The bag is laid out as shown in figure 3 and the various items, such as nappy liners, pads, medications and so forth as required for a nappy change, are placed in the compartments 2, 3 and 26 which are then closed. If feeding bottles are required, two of these can be carried in the wells 31.

The bag 1 is folded up to the state shown in figures 1 and 2 by first folding the flaps 21, 22 over the central portion of the mat 20 which has a width larger than the height plus the width of the lower compartment 2. The upper compartment 3 is then lifted up by the handle 14, and placed over the lower compartment 2 so that the mat 20 is folded up the side and over the top of the lower compartment 2 as shown in figure 1 and 2. The press studs 16 are engaged on the studs to hold the surplus mat in an external fold as shown in figure 1.

Finally the lid 5 is placed on the chamber 4 and held in place by the press studs 6. The tongue 54 is fastened to the folded mat 20 by engagement of the complementary fastening strips 55 and 56.

A typical example of the above-described bag had the following dimensions:

Widths of compartments 2 and 3: 17 centimetres.

Depths of compartments 2 and 3: 13.5 centimetres.

Lengths of compartments 2 and 3: 31 centimetres.

Width of mat 20: 40 centimetres.

Length of head flap 21: 19 centimetres.

Length of feet flap 22: 28 centimetres.

Length of chamber 4: 8 centimetres.

Although the nappy bag described is made of soft padded plastics material, other materials such as cloth or even leather could also be used for all or parts of the bag. Also, in places where press stud fasteners have been described, rip fasteners of the VELCRO type or other forms of fasteners may equally well be used. Finally, the lid 24 of the lower compartment 2 may be dispensed with to make the bag cheaper, as the folding of

the mat 20 over the lower compartment when the bag is in its transport mode effectively provides a cover for the lower compartment.

It may be convenient to provide an externally accessible pocket for items not related to the nappy change. Such a pocket, closed by a zip fastener 17, is shown in figure 1.

Claims

1. A nappy-changing bag having a utilisation mode of use (figure 3) and a carrying mode of use (figures 1 and 2), comprising two spaced compartments (2, 3) which remain upwardly-opening in both modes of use, a flexible mat (20) having one pair of opposed edges respectively attached to the lower portions of the two compartments which are arranged in horizontally-spaced parallel relationship with the mat spanning between them when the bag is in its utilisation mode, means (50, 16, 54, 55 and 56) for holding the two compartments together with the mat folded between them when the bag is in its carrying mode, and means (7) for carrying the bag.

2. A nappy-changing bag as claimed in claim 1, wherein in the carrying mode the compartments are disposed one above the other, the mat being sufficiently wide to extend along one side of the lower of the two compartments (2) and beneath the base of the upper of the two compartments (3).

3. A bag as claimed in claim 1 or 2, in which the means for carrying the bag comprise two carrier handles (7) on opposite sides of the bag and attached to opposite sides of the lower compartment (2) in the carrying mode.

4. A bag as claimed in any preceding claim, in which the mat (20) has end-flaps (21, 22) which fold over the portion spanning between the two compartments (2, 3) prior to folding up the bag.

5. A bag as claimed in any preceding claim, including a storage chamber (4) at one end of one of the compartments (2, 3) and separated therefrom by a partition, the chamber containing (4) a block (30) of thermally insulating material having a well (31) for receiving a feeding bottle.

Patentansprüche

1. Tasche zum Windelwechseln mit einer Gebrauchs (Figur 3) und einer Trageverwendungsart (Figuren 1 und 2), die zwei beabstandete Fächer (2, 3), welche in beiden Verwendungsarten nach oben öffnen, eine flexible Matte (20) mit einem Paar gegenüberliegender Kanten, die jeweils an den unteren Teilen der beiden Fächer befestigt sind, die parallel angeordnet und horizontal beabstandet sind, wobei sich die Matte zwischen ihnen spannt, wenn die Tasche gebraucht wird, Mittel (50, 16, 54, 55 und 56) zum Zusammenhalten der beiden Fächer beim Tragen der Tasche, wobei die Matte zwischen ihnen gefaltet ist und Mittel (7) zum Tragen der Tasche umfaßt.

2. Tasche zum Windelwechseln nach Anspruch

adjacent the compartment 3. Complementary press stud fastenings are provided on the upper portion of one side of the compartment 2 as shown in figure 3. A central tongue 54 is provided on the lower outside edge of the upper compartment, and its underside is faced with a rip-fastening material such as that commercially available under the registered trade mark "VELCRO" and identified on the figure at 55. A complementary fastening strip 56 is provided on the underside of the mat 20 so that, when the mat is folded over, the top of the lower compartment 2, the two complementary fastening strips 55 and 56 can be engaged with one another to hold down the side of the upper compartment 3 on which the lid 9 is hinged. In consequence, the two compartments are held on one another when in their stacked position shown in figures 1 and 2, by the tongue 54 and the strip 50.

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The bag is laid out as shown in figure 3 and the various items, such as nappy liners, pads, medications and so forth as required for a nappy change, are placed in the compartments 2, 3 and 26 which are then closed. If feeding bottles are required, two of these can be carried in the wells 31.

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the mat 20 over the lower compartment when the bag is in its transport mode effectively provides a cover for the lower compartment.

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2. Tasche zum Windelwechseln nach Anspruch



1, bei der beim Tragen die Fächer übereinander angeordnet sind und die Matte breit genug ist, um sich an einer Seite des unteren der beiden Fächer (2) entlang und unter dem Boden des oberen der beiden Fächer (3) zu erstrecken.

3. Tasche nach Anspruch 1 oder 2, bei der die Mittel zum Tragen der Tasche zwei Tragegriffe (7) an gegenüberliegenden Seiten der Tasche umfassen, die beim Tragen an gegenüberliegenden Seiten des unteren Faches (2) befestigt sind.

4. Tasche nach einem der vorhergehenden Ansprüche, bei der die Matte (20) Endlappen (21, 22) aufweist, die sich über den Teil falten lassen, der sich vor dem Zusammenfallen der Tasche zwischen den beiden Fächern (2, 3) spannt.

5. Tasche nach einem der vorhergehenden Ansprüche mit einer Vorratskammer (4) an einem Ende eines der Fächer (2, 3), die von diesem durch eine Trennwand abgetrennt ist und einen Block (30) wärmeisolierenden Materials mit einer Mulde (31) zur Aufnahme einer Flasche mit Babynahrung enthält.

Revendications

1. Sac à langer ayant un mode d'utilisation emploi (figure 3) et un mode d'utilisation transport (figures 1 et 2), comprenant deux compartiments distincts (2, 3) qui demeurent ouverts vers le haut dans les deux modes d'utilisation; un tapis souple (20), dont l'une des paires de bords opposés est rattachée aux régions inférieures respectives des deux compartiments qui, en

mode d'utilisation emploi du sac, sont agencés parallèlement avec espacement mutuel horizontal, et sont reliés l'un à l'autre par le tapis; des moyens (50, 16, 54, 55 et 56) pour assurer, en mode d'utilisation transport du sac, la cohésion des deux compartiments entre lesquels le tapis est replié; et des moyens (7) pour transporter le sac.

2. Sac à langer selon la revendication 1, dans lequel, en mode transport, les compartiments sont disposés l'un au-dessus de l'autre, le tapis étant suffisamment large pour s'étendre le long de l'un des côtés du compartiment inférieur (2), et au-dessous de la base du compartiment supérieur (3).

3. Sac selon la revendication 1 ou 2, dans lequel les moyens pour transporter le sac consistent en deux poignées de transport (7) situées sur des côtés opposés du sac et rattachées, en mode transport, à des côtés opposés du compartiment inférieur (2).

4. Sac selon une quelconque revendication précédente, dans lequel le tapis (20) présente des pans extrêmes (21, 22) qui, préalablement au repli du sac, se rabattent sur la zone qui relie les deux compartiments (2, 3).

5. Sac selon une quelconque revendication précédente, comportant une chambre de stockage (4) située à l'une des extrémités de l'un des compartiments (2, 3) dont elle est séparée par une cloison, la chambre (4) renfermant un bloc (30) en un matériau thermiquement isolant, muni d'une cavité (31) pour recevoir un biberon.

