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Note.—The application for a Patent has become void.

This print shows the Specification as it became open to public inspection on Dec. 10, 1934, under Section 91 (4) (a) of the Patents and Designs Acts, 1907 to 1932.

PATENT SPECIFICATION

Application Date: Nov. 21, 1933. No. 32506/33. **434,098**

Specification not Accepted

COMPLETE SPECIFICATION

Improvements in or relating to Pneumatic Bags or Mattresses

We, P. B. Cow & Company, Limited, a company organised under the laws of Great Britain, of Factory Square, Streatham Common, London, S.W. 16, Kurt Landau, Austrian citizen, of 7, Landesgerichtsstrasse, Vienna, Austria, and Ludwig Siebel, Austrian citizen, of 8, Schottenring, Vienna, Austria, Assignees in part of the said Kurt Landau, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to pneumatic bags or mattresses which are especially adapted for use as a bed or couch for purposes of sunbathing, camping, motoring etc.

According to the invention a pneumatic bag or mattress comprises a hollow bag of airtight material having substantially transverse connecting members extending a length less than the width of the bag and connecting the upper and lower surfaces of the bag, to prevent the ballooning thereof on inflation of the bag.

Preferably each connecting member is in the form of a strip or wall of rubberized fabric or the like sewn to the bag, the perforations caused by the sewing being sealed for example by strips of airtight material secured thereto by adhesive. Preferably also the connecting member nearest the head end of the bag is at such distance therefrom as to leave an area which on inflation of the bag is adapted to form a head cushion. The strips of fabric may however be replaced by transverse rows of threads or cords.

An embodiment of the invention is illustrated in the accompanying drawing, in which:

Figure 1 is a horizontal section of a mattress.

Figure 2 a longitudinal section on the line 2—2 of figure 1.

Figure 3 a section on the line 3—3 of figure 1, and

Figure 4 a detail.

The bag *a*, which is shown in the drawing in its inflated condition, has internal connecting members or walls *b* which are in a perpendicular or oblique direction to the longitudinal direction of the rectangular or approximately rectangular bag and only extend over a part of the bag width. Further walls connecting these walls together may be provided as shown in dotted lines in figure 1 at *e*. These walls are fastened to the upper and lower surfaces of the bag and the wall *b* nearest to the head end of the bag is fitted at such a distance from the end that on the inflation of the bag by the air tube *c* a head cushion *d* is formed.

The walls *b* which prevent a bag on inflation from ballooning, may be formed of rubberised fabric secured for example to the bag surfaces by sewing as shown in figure 4 by means of one or more raised seams *g*. To cover the perforations in the walls *a* due to the stitches *g*, strips *h* of air-tight material are stuck on along the seams. Alternatively the walls may be formed of cords arranged in transverse rows having their ends fastened to the upper and lower parts of the bag.

It will be noticed owing to the walls or strips extending only over a portion of the width of the mattress that on inflation of the bag a certain degree of ballooning will recur at the edges, see figure 3, which is desirable in order to prevent the user from rolling off the mattress.

The air tube may conveniently be provided with a valve so that the mattress may be inflated by a pump of the cycle or motor type. A mattress according to the invention will, when deflated, roll or fold up into a neat and compact parcel very convenient for carriage so that it may be used for such purposes as camping, or

motoring, cycling or walking tours, sunbathing on the beach, or for aquatic sport.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A pneumatic bag or mattress comprising a hollow bag of airtight material having substantially transverse connecting members extending a length less than the width of the bag and connecting the upper and lower surfaces of the bag to prevent ballooning thereof on inflation of the bag.

2. A pneumatic bag or mattress as claimed in claim 1 in which the connecting member closest to the head end of the bag is at such distance therefrom as to leave an arrangement which on inflation of the mattress, is adapted to form a head cushion.

3. A pneumatic bag or mattress as claimed in claims 1 and 2 in which the connecting members are formed of rubberised fabric.

4. A pneumatic bag or mattress as claimed in any of the preceding claims in which the connecting members are secured by sewing to the surfaces of the bag by means of raised seams, the stitch holes being covered by strips of airtight material, substantially as described.

5. An arrangement as claimed in any of the preceding claims in which the connecting members are themselves further connected by obliquely extending strips.

6. A pneumatic mattress substantially as described and illustrated with reference to the accompanying drawing.

Dated this 21st day of November, 1933.
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Fig.1.

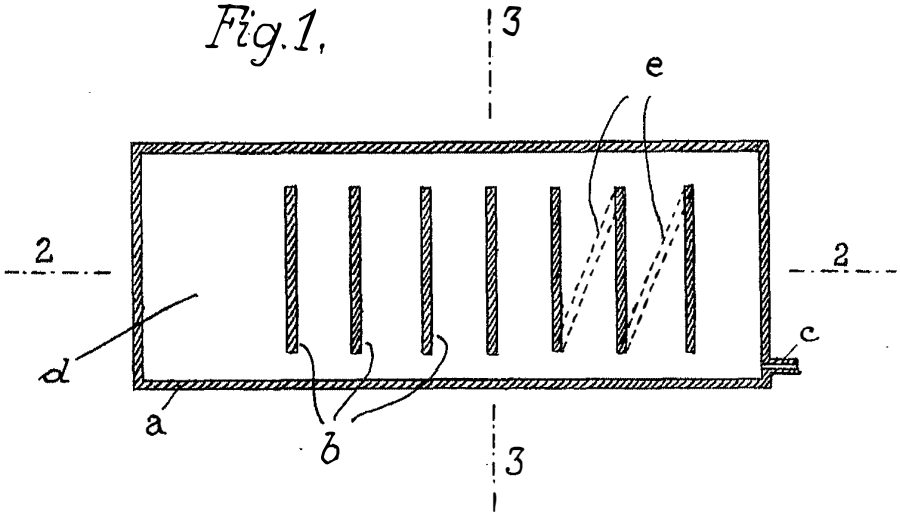


Fig.2.

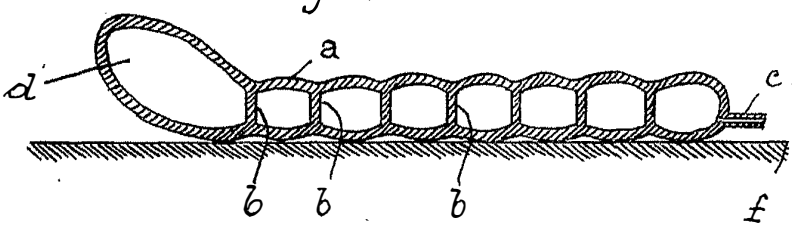


Fig.3.

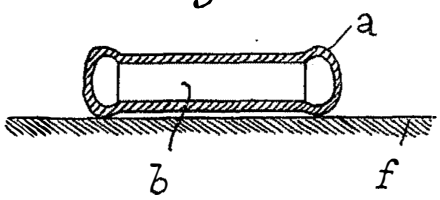
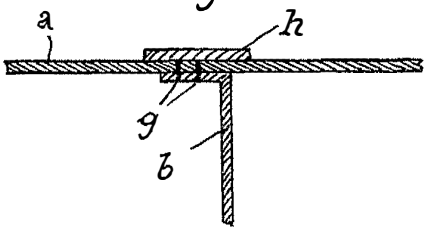


Fig.4.



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