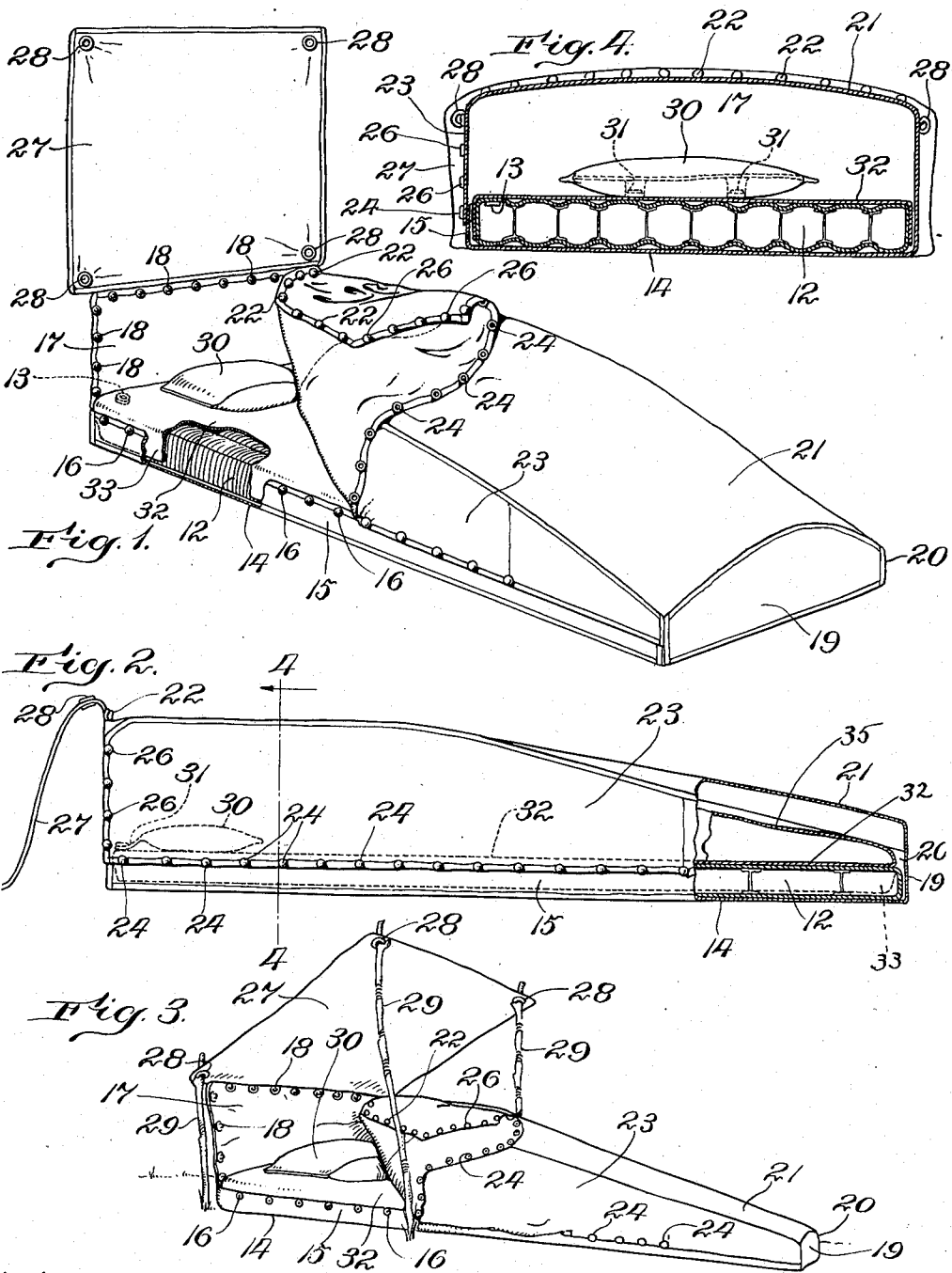


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T. A. ABBOTT.
PNEUMATIC SLEEPING BAG.
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UNITED STATES PATENT OFFICE.

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PNEUMATIC SLEEPING-BAG.

No. 867,434.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS A. ABBOTT, of Reading, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Pneumatic Sleeping-Bags, of which the following is a specification.

This invention has for its object to provide a sleeping bag of light construction adapted to be folded into a small compass for transportation and storage, and having an inflatable portion adapted to provide an air mattress at the bottom of the pocket for the support of the occupant.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification,—Figure 1 represents a perspective view of my improved sleeping bag, the head portion being partly displaced. Fig. 2 represents a side elevation of the sleeping bag, one end portion being shown in section. Fig. 3 represents a perspective view showing the bag in condition for use. Fig. 4 represents a section on line 4—4 of Fig. 2.

The same letters of reference indicate the same parts in all the figures.

In the drawings 12 represents a pneumatic mattress having a suitable valve through which it may be inflated and deflated, the preferred location of the valve being indicated by dotted lines at 13. The mattress 12 is inclosed in a flexible bag or casing having a bottom 14, on which the mattress rests, said bottom having a narrow upwardly-projecting flange or side piece 15 extending along one side of the bag, and provided with fastening members 16, which are preferably the stud members of ordinary stud and socket fastening devices, such as are used for securing garments, etc. To one end of the bottom 14 is secured a head piece 17, which is adapted to project considerably above the mattress, and is provided along the margin of its upper edge and one end with fastening devices 18, preferably similar to the fastening devices 16. The opposite end of the bottom 14 is provided with a foot piece 19.

20 represents a side piece, which is fixedly secured to the edge of the bottom 20 opposite that having the side piece 15, the side piece 20 being relatively narrow at the foot of the bag, and increasing in width toward the head, where it is fixedly attached to one end of the head piece 17.

21 represents a top piece, one edge of which is permanently attached to the upper edge of the side piece 20, while one of its ends is permanently attached to the foot piece 19. The opposite end of the top piece 21 is provided with socket fastening members 22 adapted to engage the stud fastening members 18 on the upper edge of the head piece 17. To the edge of

the top piece 21, opposite that secured to the side piece 20, is attached a side piece 23, which is narrower than the side piece 20, and is provided with socket fastening members 24 adapted to engage the stud fastening members 16 on the narrow side piece 15. When the side pieces 23 and 15 are secured together by said fastening devices, they collectively constitute a side piece of the same width and proportion as the fixed side piece 20. One end of the side piece 23 is provided with socket members 26, adapted to engage the stud members 18 at one end of the head piece 17.

27 represents a fly, which is attached at one edge to the upper edge of the head piece 17, its other edges being free, and its corners being provided with sockets 28 adapted to engage stakes 29 driven into the ground on which the pocket is laid. The said stakes may be arranged to hold the fly in a sloping position, as indicated in Fig. 3, thus shielding the occupant's head from rain, when the upper end of the top piece 21 is thrown back to expose the occupant's head, and afford ventilation.

As shown in Fig. 1, the bag may be opened to permit convenient entrance and exit by detaching the head end of the cover 21 and side piece 23. When the occupant is in place in the bag, he is enabled to secure any desired part of the three edges of the top piece 21 and side piece 23, leaving such opening as may be necessary for ventilation, the opening depending on the number of fastening devices that are left disconnected. The occupant of the bag is enabled to manipulate from within the bag, all the fastening devices that require to be connected. The tapering form of the sides of the bag gives the head portion of the bag a considerable height above the mattress. Space is thus afforded within the bag for the occupant to move around sufficiently to remove and apply such garments as shirts, trousers, etc.

30 represents a pillow which may be connected by tabs 31 with the mattress or with a cover 32 laid on the mattress, said cover having flanges 33 at its edges which overlap the edges of the mattress.

It will be seen that my improved sleeping bag comprises a pneumatic mattress adapted to be readily inflated and deflated, and a casing of greater depth than the thickness of the mattress, so that the upper portions of the sides and ends of the casing and the top thereof, form a chamber or compartment above the mattress, the front side of the casing being composed of two longitudinal sections 15 and 21, which are adapted to be separably connected, the upper section 23 being a part of the top, and adapted to be secured with the latter to the head portion 17. When the mattress is deflated the entire device can be folded into compact form for transportation and storage. The device

may be quickly and conveniently adapted for use by unfolding it and inflating the mattress. The cover 32 not only protects the top of the mattress, but also holds the pillow 30 in its proper place. The cover 32 is preferably provided at its foot portion with a pocket 35 to receive the feet of the occupant of the bag, said pocket being closed at the foot end and open at the opposite end so that the occupant may readily thrust his feet into it.

10 I claim:

1. A sleeping bag comprising a bottom portion, head and foot end portions, front and rear side portions, and a top portion, the front side portion being composed of a lower longitudinal section attached to the bottom portion, and an upper longitudinal section attached to the top portion, and overlapping the lower section; the upper section having fastening members at its lower edge and head end, adapted to engage complemental fastening members on the lower section and the front end of the head portion, while the top portion has fastening members at its head end adapted to engage complemental fastening members at the upper edge of the head portion, and a pneumatic mattress bearing on the bottom portion and confined thereon by the side and end portions.
- 25 2. A sleeping bag comprising a bottom piece, head and foot pieces attached to the ends of the bottom piece, the

head piece having fastening members at one end and at its upper edge, a lower front side piece attached to one longitudinal edge of the bottom piece, and provided with fastening members, a wider rear side piece attached to the opposite longitudinal edge of the bottom piece, a top piece attached to the rear side piece and to the foot piece, and provided at its head end with fastening members adapted to engage the fastening members at the upper edge of the head piece, an upper front side piece attached to the front edge of the top piece, and provided at its lower edge with fastening members adapted to engage the fastening members on the lower front side piece, and at its head end with fastening members adapted to engage the fastening members on the front end of the head piece, and a pneumatic mattress bearing on the bottom piece and confined thereon by the side and end pieces, the end pieces, the rear side piece and the upper front piece projecting above the mattress and forming a body chamber adapted to be opened and closed at the front side and at the head end of the bag, the mattress being deflatable to permit the folding of the entire structure.

In testimony whereof I have affixed my signature, in presence of two witnesses.

THOMAS A. ABBOTT.

Witnesses:

C. F. BROWN,
E. BATCHELDER.