Aug. 30, 1927. 1,640,743

A. F. YUHASZ

EMERGENCY BED

Filed June 28, 1924

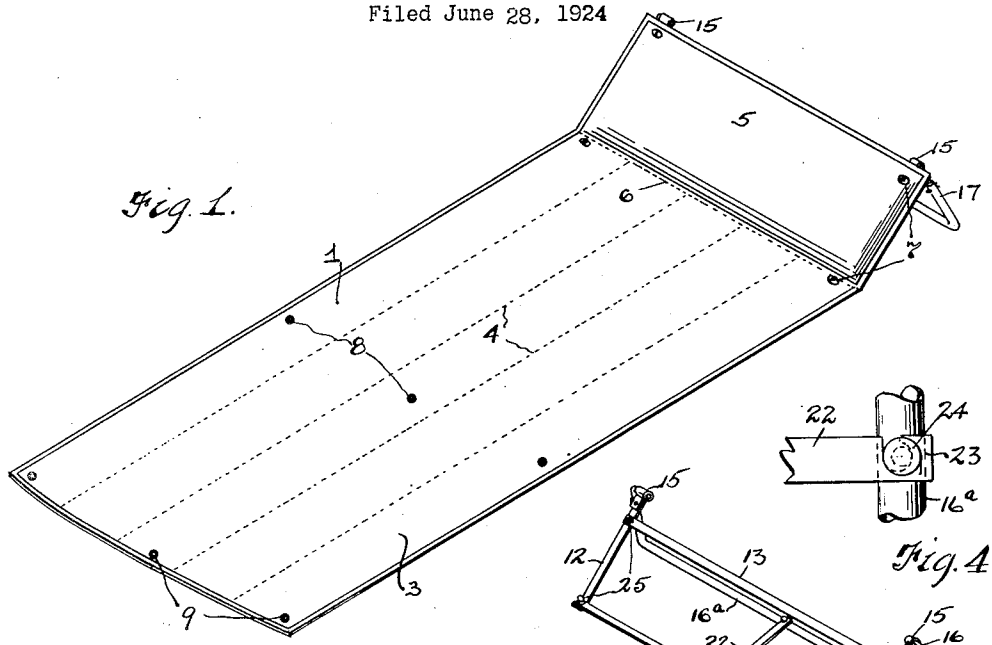


Fig. 1.

Fig. 4

Fig. 3

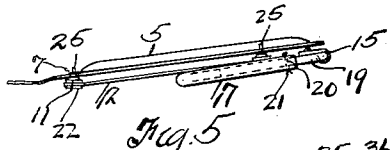


Fig. 5

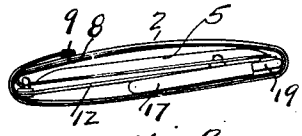


Fig. 2

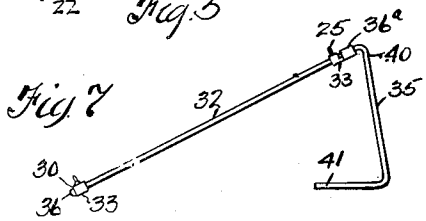


Fig 7

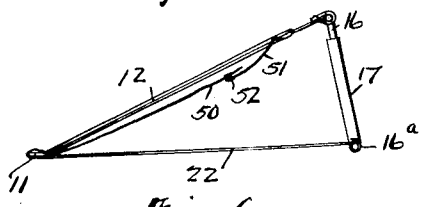


Fig. 6.

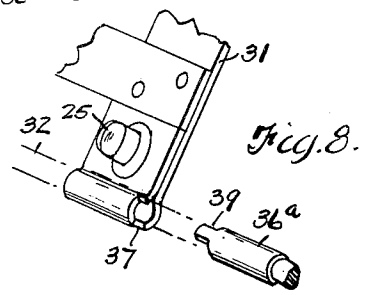


Fig. 8.

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Patented Aug. 30, 1927. 1,640,743

UNITED STATES PATENT OFFICE.

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EMERGENCY BED.

Application filed June 28, 1924. Serial No. 722,987.

The present invention relates to an emergency bed or mattress and folding headrest. More particularly the invention provides a relatively thin mattress and a collapsible headrest so arranged that it may be easily detached from the mattress and so made that it may be collapsed flat and folded with the mattress into a compact unit. The construction is such that the folded bed is easily stored in a small space or it may be attached to the robe rail of a motor car or the like. The outside of the mattress is formed of waterproof material so that it may be used on lawns and damp places as well as a bed for emergency purposes such as at encampments or the like.

The annexed drawing and the following description set forth in detail certain mechanism embodying the invention, such disclosed means constituting, however, but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawing:—

Fig. 1 is a perspective view of the bed in its extended position; Fig. 2 is an end elevation of the device when folded; Fig. 3 is a perspective view of the headrest above when extended; Fig. 4 is a plan view of a detail; Fig. 5 is an end elevation of the headrest and mattress with the headrest collapsed and ready for folding; Fig. 6 is an end elevation of the headrest in its extended position; Fig. 7 is an end elevation of a modified form of headrest; and Fig. 8 is a perspective view of a detail of the construction shown in Fig. 7.

The present emergency bed consists of a mattress 1 having an outer cover 2 of water proof material and a soft inner cover 3, with padding therebetween which is held in place by rows 4 of stitching. At one end the mattress is provided with a portion 5 more heavily padded to form a pillow and the longitudinal rows 4 of stitching terminate in a transverse row 6 of stitching across the base of the pillow portion. The pillow portion is provided at the four corners with eyelets 7 or other suitable fastening devices. Across the mattress near the center are spaced snap members 8 which may be engaged by complementary snap fastening members 9 at the foot of the mattress to secure the mattress in its folded position as best shown in Fig. 2, the mattress being folded about the pillow portion.

A removable headrest is employed which consists essentially of a rectangular frame work 10 having a base member 11 of strap metal, two side bars 12 and a resilient top member 13 in the form of a thin metal strap which will spring downwardly under pressure. The lower ends 14 of the side bars, to which the base strap 11 is attached are bent so as to allow the base member to rest flat on the ground when the headrest is extended. The upper ends of the side bars are extended beyond the top member and are rebent along themselves to provide loops 15 which receive the bent ends 16 of adjustable rods 19. The support consists of a piece of tubing 16^a having its ends bent at right angles to form two sockets 17 which have apertures 18. The rods 19 are adapted to enter the sockets 17 and are provided with a series of apertures 20 adapted to be aligned with the apertures 18 of the sockets and a cotter pin 21 is passed through the aligned apertures to secure the support in the desired position.

The support pivots about the bent ends 16 of the adjusting rods and may be folded flat against the headrest or may be moved out at an angle thereto when extended as shown in Figs. 3 and 6. When extended it is locked in position by a strap 22 pivotally attached to the base member 11 and having a hook 23 at its other end adapted to engage with a button 24 secured to the base portion of the tubing 16^a, the hook being so formed as to secure the portions in extended position against accidental collapse as best illustrated in Fig. 4.

To attach the pillow portion of the mattress to the headrest, the latter is provided near the corners of the frame with four turn snaps 25 adapted to pass through the eyelets in the mattress and be turned to secure the two parts together as shown in Fig. 5.

A modified form of headrest is shown in Figs. 7 and 8 which is collapsible as the previous form but not adjustable. This form provides a headrest or frame work having a base member or strap 30, a resilient top member or strap 31 and two side bars 32, the base and top members extending past the side bars and forming loops 33, the extending portions having the turn snaps 25 for the attachment of the mattress. The supporting members in this form are two bent rods 35 which pivot in the loops 33, the lower end of the rods having heads 36 to prevent the rods

from pulling through the loops. The rods extend above the loops and are provided with fixed tubes 36ª or enlargements. The upper surfaces of the upper loops are cut away over a portion of their extent to provide stops 37 and the tubes 36ª have extending tongues 39 which co-operate with the stops 37 to limit the pivotal movement of the rods.

The ends of the rods are bent at an acute angle 40 to the main portion and then the extreme ends 41 are bent at an angle to rest on the ground as shown in Fig. 7. The stops and tongues 37 and 39 are so arranged as to allow the rods to fold inwardly against the back of the headrest and to be moved outwardly just beyond the vertical so as to prevent accidental collapse of the headrest in use.

The headrest may be provided with a pocket 50 having a covering flap 51 and fastening means 52 as shown in Fig. 6, the pocket being secured to the base and top members and furnishing a place for toilet articles or the like.

With the mattress the headrest provides a very convenient emergency bed or lounging pad, the headrest having its upper member resilient so as to give under pressure. The support portion of the headrest collapses or folds into a flat package which may be folded up with the mattress or quickly detached therefrom as desired. The headrest may be made adjustable or at a fixed angle and also provides a pocket for the carrying of toilet articles. When folded, the entire device forms a relatively flat package which takes up only a small amount of space and which is readily available for use when desired.

Other modes of applying the principle of my invention may be employed instead of the one explained, change being made as regards the mechanism herein disclosed, provided the means stated by any of the following claims or the equivalent of such stated means be employed.

I therefore particularly point out and distinctly claim as my invention:—

1. A detachable headrest construction for emergency beds comprising a headrest frame having a resilient top bar and a supporting portion pivotally attached to said frame and adapted to fold flat thereagainst when collapsed, said support comprising two rods pivotally mounted in said frame and a tubular member having its ends bent to receive said rods, and means for adjustably securing said rods in said tubular ends.

2. A detachable headrest construction for emergency beds comprising a headrest frame having a resilient top bar and a supporting portion pivotally attached to said frame and adapted to fold flat thereagainst when collapsed, said support comprising two rods pivotally mounted in said frame and a tubular member having its ends bent to receive said rods, means for adjustably securing said rods in said tubular ends, and a locking strap adapted to secure said support in its extended position.

Signed by me this 24th day of June, 1924.

ANDREW F. YUHASZ.