May 11, 1926. 1,584,448

A. J. GARNHAM

BACK REST OR GROUND SEAT

Filed June 10, 1925

Fig.1.

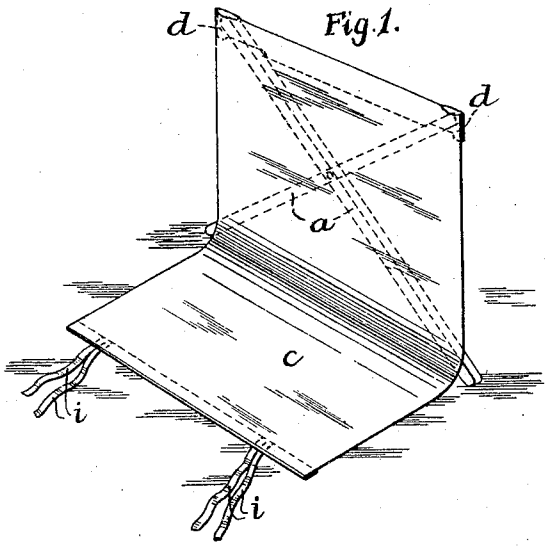


Fig.2.

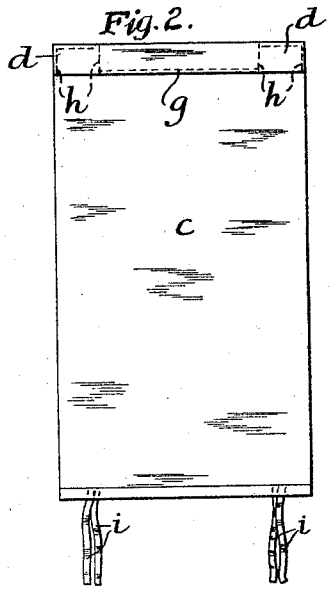


Fig.3.

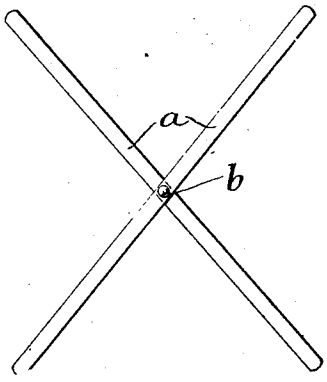


Fig.4.

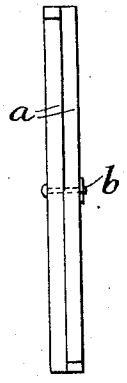


Fig.6.

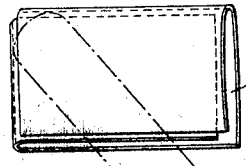
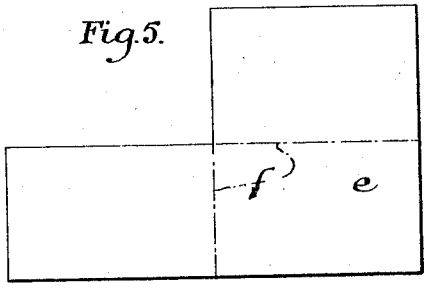


Fig.5.



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Patented May 11, 1926. 1,584,448

UNITED STATES PATENT OFFICE.

ARTHUR JOSEPH GARNHAM, OF LONDON, ENGLAND.

BACK REST OR GROUND SEAT.

Application filed June 10, 1925. Serial No. 36,096.

This invention relates to a back-rest or ground seat and has for its object the production of a device of this character of simple and cheap construction.

According to the invention I employ a supporting frame comprising two bars of wood or other material provided with a pivot so that they can be moved relatively or opened out to the form of an X, or cross, when in use or collapsed to lie side by side when out of use. I also employ a length of fabric one end of which is formed with a pair of pockets close to the edge of the fabric designed to receive the ends of the pivoted bars at one end of the supporting frame when opened out, and which latter is placed in an upright position with the other ends bearing on the ground, the fabric extending down from the said upper end thereof and lying along the ground to form the seat. The upright portion of the fabric and the supporting frame constitute the back of the seat. To take the thrust of the upper ends of the frame bars, when in use, the pockets therefor are formed of pieces of pliable material such as stout webbing, canvas, wire netting or metal which are first folded or doubled in one direction and then folded or doubled in a direction at right angles thereto, the thrust being taken at the corner formed by the two folds. The edge of the fabric at the end to which the pockets are secured is folded over on to the body of the said fabric and stitched or riveted thereto to enclose the said pockets, portions of the said edge being left unstitched to allow the insertion of the ends of the supporting frame into the said pockets.

To enable the invention to be fully understood I will described it my reference to the accompanying drawing, in which:—

Figure 1 is a perspective view of a back-rest or ground-seat in accordance with the invention, when erected for use.

Figure 2 is a face view of the length of fabric of the back-rest and

Figures 3 and 4 are, respectively, elevations at right angles of the supporting frame therefor.

Figure 5 is a development of the piece of material for forming each of the pockets connected to the fabric for receiving the ends of the supporting frame and

Figure 6 is perspective view of the pocket resulting from folding the said piece of material.

a, *a* are the two bars of wood or other material constituting the supporting frame of the back-rest and *b* is the pivot whereby they are pivoted together so that they can be caused to assume the crossed position for use indicated or turned to lie in parallelism when out of use. *c* is the length of fabric of the back-rest and *d*, *d* the two pockets formed at one end thereof to receive two of the ends of the frame *a*, *a*, as indicated in Figure 1, the other two ends of which bear upon the ground. *e*, Figures 5 and 6, is one of the pieces of stout webbing or canvas forming each of the pockets *d*, the said piece being folded at right angles along the dot and dash lines *f* and inserted within the fold made by folding over one end of the fabric *c*, the said fold being stitched to the body of the said fabric as indicated at *g* and also at *h*, *h* to secure the pockets in position, leaving the mouths of the pockets open or free to receive the ends of the frame *a*, *a*. By the described construction of pocket it will be seen that the thrust exerted by the ends of the frame *a*, *a* when in use is taken by the two folds along the creases of the said folds, as indicated clearly in Figure 6, wherein one bar of the frame is indicated by dot and dash lines.

When the back-rest is out of use, the bars *a* can be turned into parallelism and the fabric *c* rolled around them, tapes or the like *i*, *i* being provided on the latter to secure the resultant roll against unrolling.

When it is desired to use the device, the fabric, *c*, is unrolled from around the bars, *a*, *a*, the latter are opened out into a cross shape and two ends are pressed into the ground which may be either soft ground or sod or sand, as found at the seashore. The two pockets at one end of the strip of fabric, *c*, are placed in engagement with the upper end of the bars, *a*, *a*, the bars being in their open position so placed that their upper ends will engage said pockets. The fabric, *c*, is of such length that when its upper edge is supported by the engagement of the pockets with the bars, *a*, a considerable length of the fabric will extend on the ground forward of the bars, *a*, *a*. If a person now sits on the horizontally disposed portion of the fabric, *c*, this will hold it firm-

ly against slipping on the ground and the user can therefore lean backward against the portion of the fabric supported by the bars, *a*, *a*, which will form a simple and efficient back rest. It will be noted that in leaning back against the back rest the strain on the portion of the fabric between the horizontally disposed portion and the pockets will support the bars in a vertically inclined position and the direct thrust will be against the upper edges of the pockets. As any pressure exerted on the upper ends of the crossed, pivoted bars, *a*, *a*, will naturally tend to spread the upper ends apart, this tendency of the upper ends of the bars to spread will be resisted by the lateral or vertical edges of the pockets, and the device will be very firmly maintained in position as a back rest. It is important that the pockets should be both the vertical side portions and the horizontal top portions to meet both these thrusts and render the device efficient. It will also be noted that the pockets themselves are further reinforced by the lap of the fabric over them and the stitching of the overlapping portions of the fabric to the separate pockets.

Claims:—

1. A collapsible back rest comprising a pair of bars pivoted together centrally and a strip of flexible material of considerably greater length than the distance between the adjacent ends of said bars when in open position, said fabric being provided adjacent to one edge with pockets for detachably engaging one end of each of said bars, when in open position, whereby the other ends of said bars may be inserted in the ground, leaving a considerable horizontal portion of the fabric disposed upon the ground in front of said bars to form a seat, the remaining portion of said fabric and said bars forming a back rest held in substantially vertical position when the horizontally disposed portion is held in engagement with the ground by the weight of the user, the said pockets being each formed of a separate piece of material folded upon two lines at right angles to each other, to provide upper horizontal and exterior vertical folds to receive the thrust of the upper ends of said bars and prevent them from further separating.

2. A collapsible back rest comprising a pair of bars pivoted together centrally, and a strip of flexible material of considerably greater length than the distance between the adjacent ends of said bars when in open position, said fabric being provided adjacent to one edge with pockets for detachably engaging one end of each of said bars, when in open position, whereby the other ends of said bars may be inserted in the ground, leaving a considerable horizontal portion of the fabric disposed upon the ground in front of said bars to form a seat, the remaining portion of said fabric and said bars forming a back rest held in substantially vertical position when the horizontally disposed portion is held in engagement with the ground by the weight of the user, said pockets being formed of separate pieces of material folded on two lines at right angles to each other to form vertical and horizontal bar engaging folds, the portion of the main fabric forming the back having its upper end folded over and enclosing said pockets and being united thereto.

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