Nov. 8, 1966 J. C. BOERMA 3,283,733

PORTABLE AND COLLAPSIBLE SPORTSMAN'S SEAT

Filed July 19, 1965

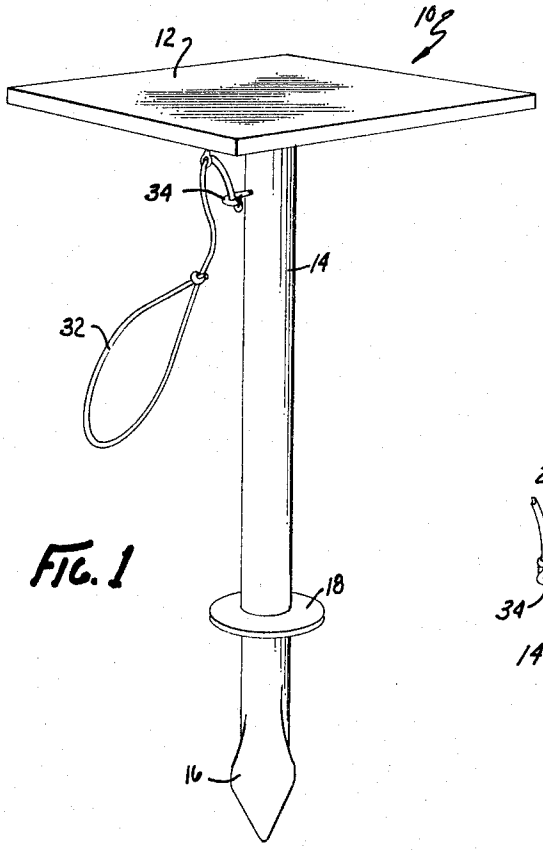



FIG. 1

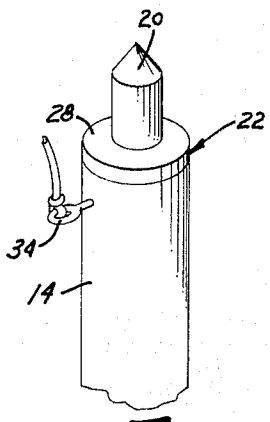



FIG. 2

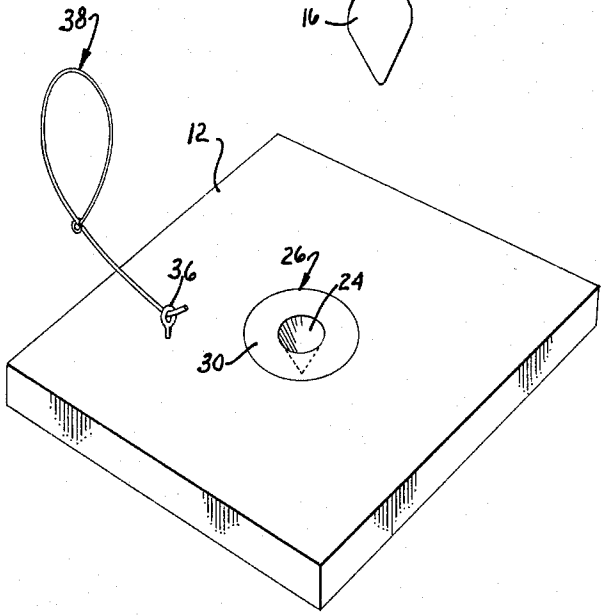



FIG. 4

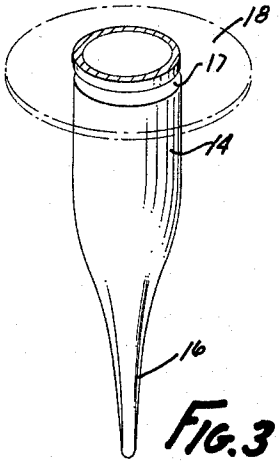



FIG. 3

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# PORTABLE AND COLLAPSIBLE SPORTSMAN'S SEAT

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3 Claims. (Cl. 108—159)

This invention relates to seating means of the portable type such as are used by sportsmen, campers, and the like, and more particularly to a new type of such seating means which may be instantaneously assembled for use in the field, and which is readily collapsed to enhance its portability.

As persons such as sportsmen, hunters, and campers who spend considerable time in the out-of-doors are well aware, it is almost always desirable and frequently a necessity to have some sort of seat or chair which may easily be carried about, so that the person will not be forced to sit upon the earth itself or upon natural objects such as large stones, tree stumps, or the like which may or may not be available at any given time and which are likely to be wet and otherwise uncomfortable even if available. This is particularly true of persons who hunt large animals such as deer, since the hunting season occurs in cold and damp wintry weather and most of the time spent in hunting requires the hunter to remain as stationary as possible in a single location, where the game is expected to pass. Seats of a portable nature have been devised in the past, but for the most part the desirability of such seats has been strictly limited. This is true because, among other reasons, while previous seats may perhaps be said to be portable in the broad sense of the term, they are actually quite cumbersome and bothersome to carry about while hunting. Further, when such seats are used they are apt to be rather unsteady and not suitably rigid, and they also are quite restrictive and do not permit a hunter to make desired movements for observation while he is seated.

Accordingly, it is a major objective of the present invention to provide a truly portable seating means for sportsmen and hunters which is sturdy and rigid in use, and whilch is instantaneously collapsible to render it extremely easy to carry and completely portable.

A further important object of the present invention is to provide a collapsible, portable seating means of the character described, which includes means for retaining the leg portion of the seating means in place upon the earth in a desired preselected location.

A further important object of the present invention is to provide a collapsible, portable seating means of the aforesaid nature, which permits easy movement of the seat portion relative to the leg portion, so that the hunter may, while remaining seated, swivel about in order to more carefully observe the area of surveillance.

The foregoing objects and the advantages related thereto, together with additional desirable features and attributes of the invention, will become increasingly apparent following a consideration of the ensuing specification and its appended claims, particularly when taken in conjunction with the accompanying illustrative drawings setting forth a preferred embodiment thereof.

In the drawings:

FIG. 1 is an upright, frontal, perspective view of the complete seating means;

FIG. 1 is an enlarged, fragmentary, perspective view of the upper extremity of the single support leg of FIG. 1;

FIG. 3 is an enlarged, fragmentary, perspective view of the lowermost extremity of the single leg support of FIG. 1; and

FIG. 4 is an enlarged, bottom perspective of the seating



platform shown in FIG. 1, showing further details thereof.

Briefly stated, the present invention provides a collapsible, portable seating means for sportsmen and the like, which includes a seat platform, a single upright support for said platform, means for detachably connecting the seat upon the upper extremities of the upright support which also allows relative rotative movement between the seat platform and the support when the same are connected together, and means associated with the lower extremities of the support for fixedly retaining the same in a desired placement upon the earth. The seat and support are easily detachable from each other, and when so detached are easily carried or stored, in order to render the novel seating means completely portable.

Referring now in more detail to the drawings, the assembled and complete seating means **10** is illustrated in FIG. 1 in the normal upright position in which it is generally used. It will be observed that the seating means has a generally flat and preferably horizontal seat platform **12** upon which one sits, and a single upright support member **14** which supports the seat **12** above the ground. The lowermost extremity **16** of support **14** is formed, as by forging or swaging, into a point, and a generally flat, washer-like disk or shoulder means **18** is secured to the support **14** a predetermined distance above the pointed end **16** thereof.

The upright support member **14** of the seating means **10** is illustrated in more detail in FIGS. 2 and 3. As seen here, the support itself is preferably a tubular metal member, whose overall length is preferably approximately two feet, although this may of course be varied if desired. The upper extremity of the support member (FIG. 2) carries a longitudinally-extending generally cylindrical projection **20** having an upstanding point formed at its end. The projection **20** may be formed integrally with the support, or the support may be provided with a cap structure **22** which interfits within the tubular support and is secured thereto as by a press fit or by welding or the like.

The lower extremity of the support member **14** (FIG. 3) is convergently swaged and then trimmed to form a broadened point **16** capable of penetrating the earth when it is placed thereupon and weight is applied to the top of the member. A generally annular, transverse groove **17** is preferably formed in the support member **14** a short distance above the pointed extremity **16**, and the flat, disk-like shoulder means **18** seen in FIG. 1 mounts upon the support member **14** by being pressed telescopingly thereover until seated within the groove **17**. The shoulder means **18** thus comes into flat, abutting contact with the surface of the earth when the point **16** is forced thereinto, thereby limiting the extent of penetration which may result and positively establishing the effective height of the seating platform **12**.

The seat platform **12** of the invention is illustrated in FIG. 4, which shows the bottom portions thereof. It will be noted that the seat platform is a generally rectangular structure which may be made of a desired wood, metal, or plastic, and which may if desired include suitable padding on the upper portion to make it more comfortable to sit upon. A bearing recess **24** having cylindrical sides which converge to form a pointed end is formed generally centrally in the bottom of the seat platform **12**, preferably by means of a bearing sleeve **26** embedded in or suitably secured to the bottom of the seat platform.

The bearing recess **24** of the seat platform **12** should be of such a diameter as to smoothly receive the projection **20** of the support member **14**, with the pointed end of the projection providing a needle bearing for contacting the pointed end of the recess. The extent to which

the projection extends into the bearing recess need not be particularly great, and for the most part need merely be such as to prevent the seat platform **12** from either tipping away from or slipping sideways off the upright support **14**. It has been found in practice that an engagement of approximately three-fourths inch is quite sufficient for this purpose. The bearing contact between the pointed projection and recess portions provides for extremely easy rotative movement between these two parts, which is not likely to produce squeals or other noises which might startle the game or alert it to the presence of the hunter. It should be noted, however, that the cap structure **22** of the upright support **14** may be formed to provide a generally flat, annular support shoulder **28**, and that the bearing sleeve **26** of the seat platform **12** may provide a generally flat bearing surface **30**. The shoulder **28** and the surface **30** may then be used in bearing contact with each other to provide a smooth relative rotation between the seat platform **12** and the upright support **14**, if this type of configuration is desired; however, this configuration may produce squeals, which the pointed construction does not do.

As FIGS. 1, 2 and 4 reveal, a length of cord **32** or like material is passed through an appropriate eyelet **34** anchored to the support **14**. One end of this cord is anchored behind eyelet **34**, as by a knot, while the other end passes through a corresponding eyelet **36** secured to the underside of the seat platform **12** and is looped upon itself to form a thong or sling **38**. This arrangement provides a very convenient and preferred means for carrying the novel seating means, or will subsequently appear more fully.

Having now completely described the structure involved in the present seating means, and having also indicated the manner of its assembly and disassembly, the use thereof while afield in the out-of-doors should be quite apparent. Upon beginning the day's hunting, a deer hunter (for example) may detach the seat platform **12** from the upright support **14**, and then suspend the entire seating means from one shoulder, as by slinging the thong **38** over his arm and about the shoulder. He may then walk with completely unencumbered hands to a desired hunting position. Alternatively, either or both the seat platform and upright support may conveniently be carried in one hand when disassembled, if this is desired.

Upon reaching a selected hunting position, the hunter merely slips the projection **20** of the support member **14** into the bearing recess **24** of the seat platform **12**, places the pointed end extremity of the support upon the ground, and seats himself atop the seat platform. When the weight of the hunter is placed upon the seat platform, the point portion **16** of the support naturally penetrates into the earth, and this serves to steady the seat and maintain it in a desired placement upon the ground, in an upright condition.

The penetration of the pointed end extremity into the ground is limited at a desired point when the disk-like shoulder means **18** comes into abutting relation with the surface of the earth. This establishes the seating height of the device. At this extent of penetration, the seating means is quite steady under the weight of the hunter, and in fact is free-standing, so that if the hunter should arise the seat will remain upright in position and will not fall over into adjacent snow or water or the like. Instead, it will merely remain stuck in the ground so that the hunter may subsequently resume his seat whenever he desires. Further, even while seated the hunter is not limited as to his position, but due to the interaction of the rotatable, detachable connection between the seat platform and the upright support, the hunter may rotate about on his seat for the maximum effectiveness in surveying his hunting position. Due to the complete ease of assembling and disassembling the seat, the hunter may move as often as desired during the day without the necessity of spending time and effort in changing his seat or setting up new seating facilities, but instead may devote his entire time to the hunt.



Having gained a full appreciation of the concepts underlying the invention, various changes and modifications in the preferred structure shown herein may be suggested to those skilled in the art to which it pertains. Consequently, all such variations and modifications as incorporate the spirit of the invention are to be considered as within the scope of the claims appended herebelow, unless these claims by their language specifically state otherwise.

I claim:

1. A collapsible, portable seating means for sportsmen and the like, comprising in combination: a generally flat seat platform; means forming a generally cylindrical bearing recess in one of the underside of said seat platform or in the top of said upright support member; a single upright support member; the other one of said seat platform or upright support member having a generally cylindrical protrusion; said protrusion being receivable within said bearing recess to rotatably and removably mount said seat upon said support; said upright support member having a lower extremity formed to penetrate into the earth to retain the support in a desired placement thereupon; shoulder means attached to said support a predetermined distance above said pointed extremity to abuttingly contact the earth and limit the penetration of said support thereinto; an elongated flexible member secured to said seat platform and said upright support member for coupling them together even when detached at said bearing recess thereby facilitating the carrying thereof on the shoulder of a person by slinging said elongated flexible member thereover.

2. A collapsible, portable seating means for sportsmen and the like, comprising in combination: a generally flat seat platform; means forming a generally cylindrical bearing recess in one of the underside of said seat platform or in the top of said upright support member; a single hollow tubular upright support member; the other one of said seat platform or upright support member having a generally cylindrical protrusion; said protrusion being receivable within said bearing recess to rotatably and removably mount said seat upon said support; said hollow tubular upright support member having a swaged lower extremity formed into a point to penetrate into the earth to retain the support in a desired placement thereupon; a transverse groove in said support located a short distance above the said point; and a washer-like disc press-fitted over said tubular support into said groove providing a shoulder means attached to said support a predetermined distance above said pointed extremity to abuttingly contact the earth and limit the penetration of said support thereinto; said seat and tubular support when detached from each other being easily carried to render said seating means completely portable.

3. A collapsible, portable seating means for sportsmen and the like, comprising in combination: a generally flat seat platform; means forming a generally cylindrical bearing recess in one of the underside of said seat platform or in the top of said upright support member; a single hollow tubular upright support member; the other one of said seat platform or upright support member having a generally cylindrical protrusion; said protrusion being receivable within said bearing recess to rotatably and removably mount said seat upon said support; said hollow tubular upright support member having a swaged lower extremity formed into a point to penetrate into the earth to retain the support in a desired placement thereupon; a transverse groove in said support located a short distance above the said point; and a washer-like disc press-fitted over said tubular support into said groove providing a shoulder means attached to said support a predetermined distance above said pointed extremity to abut-

tingly contact the earth and limit the penetration of said support thereinto; an elongated flexible member secured to said seat platform and said upright support member for coupling them together even when detached at said bearing recess thereby facilitating the carrying thereof on the shoulder of a person by slinging said elongated flexible member thereover.


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