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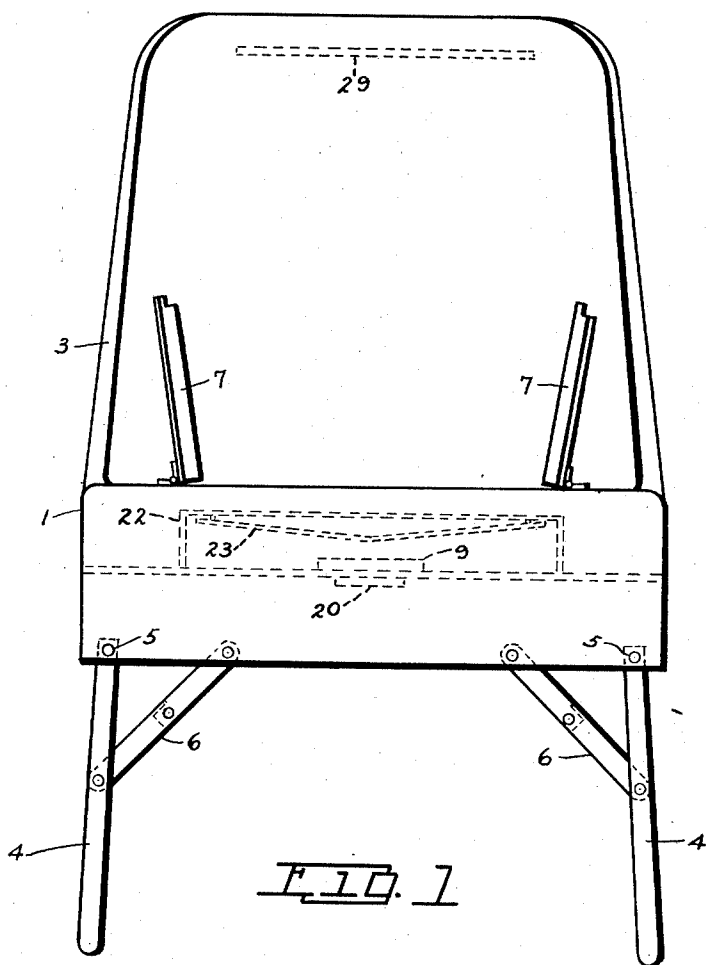
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2,583,816

HEATED CHAIR

Filed Jan. 9, 1947

2 SHEETS—SHEET 1



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2 SHEETS—SHEET 2

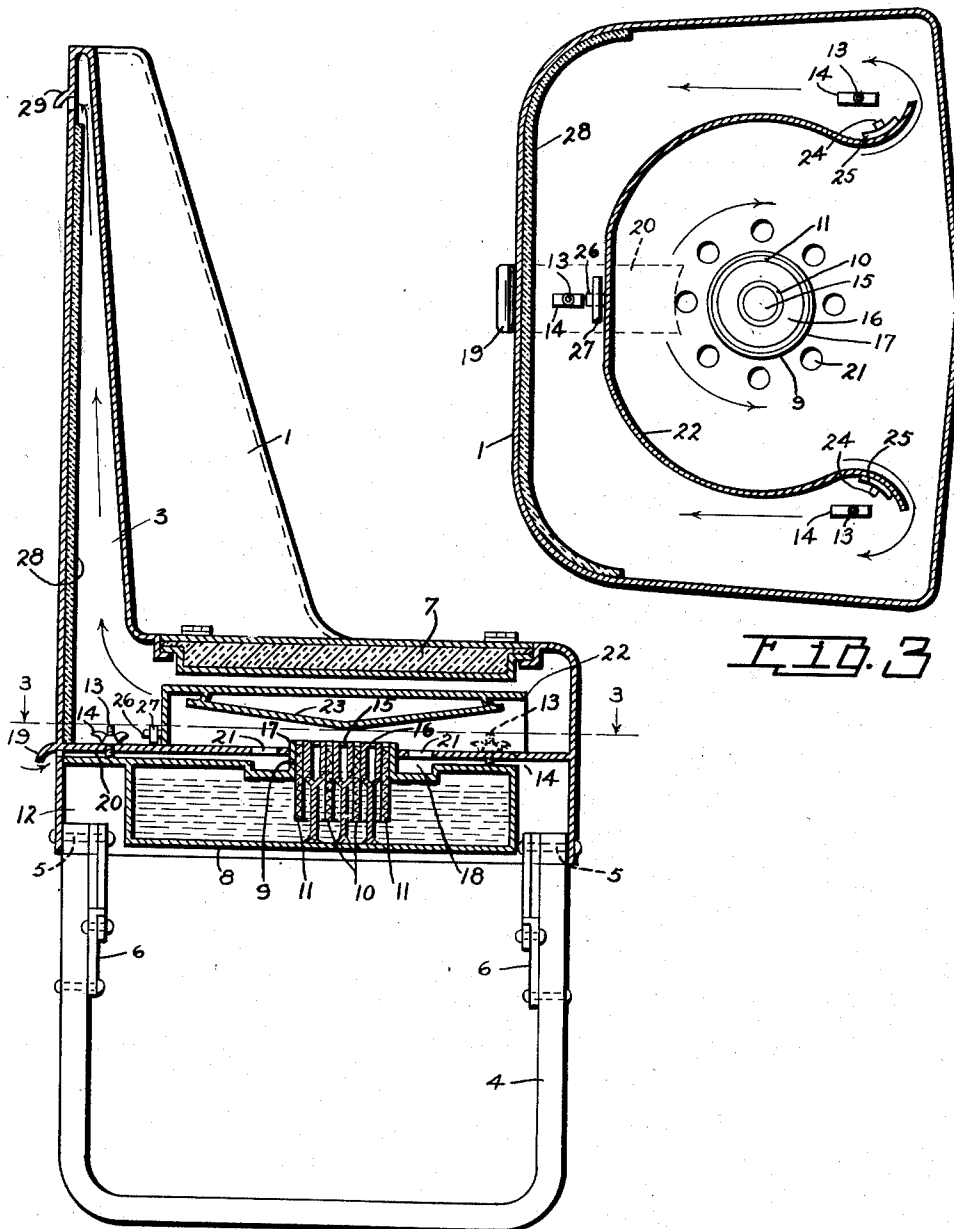


FIG. 2

FIG. 3

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UNITED STATES PATENT OFFICE

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HEATED CHAIR

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3 Claims. (Cl. 155—1)

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The present invention relates to combinations of heating means with a novel form of chair which may be used wherever a heated seat is required for resting, therapeutic or other purposes.

The object of the present invention is to construct a heated chair which is easy to make and which may be used in cold places where the presence of the occupant is necessary for extended intervals, such as in blinds when hunting, or when fishing, and even as a removable seat on vehicles exposed to very low temperatures on long runs.

Another object of the present invention is to make a collapsible heated chair having a simple but sturdy construction with a removable heating unit adaptable for using any suitable heating means.

Another object of the present invention is to make a heated chair as above with foldable runners for its legs, so that it may be used as a sled when desirable.

Another object of the present invention is to make a heated chair as above, having hinged, asbestos filled seat portions which, when opened, will permit the use of the heating unit as a cooking plate and together with the back of the chair, will provide shielding means against the wind.

Many other and more specific objects will become apparent in the following detailed description of one illustrative form of chair constructed in accordance with this invention, having reference to the accompanying drawings wherein:

Figure 1 is a front elevational view of the chair.

Figure 2 is a sectional side elevational view taken on line 2—2 of Figure 1.

Figure 3 is a sectional plan view taken on line 3—3 of Figure 2.

As may be seen in the drawings, the chair comprises a generally hollow casing 1 having a seat chamber 2 and a back chamber 3 suitably concaved to receive the back of the occupant when sitting in the chair.

Tubular metal runners 4 hinged at 5 are foldable, along with the hinged braces 6, into the bottom of the seat chamber portion. When in the extended position, as shown in Figures 1 and 2, these runners serve as legs for the chair, and also provide means on which to slide the chair over ice, like a sled. When used in a boat, sleigh or other vehicle, the runners 4 may be folded under and out of the way.

The seat chamber 2 has asbestos filled covers 7 hinged at the sides to open as shown in Figure 1. A fuel tank 8 with a burner 9 having concentric cylindrical wicks 10 and 11 therein is removably mounted in the space 12 under the seat chamber

2 by means of threaded lugs 13 integral therewith, passing through holes in the bottom of the seat chamber, and thumb screws 14. The central, intermediate or annular, and the outer cylindrical portions 15, 16 and 17 respectively of the burner 9 providing the two concentric slots for the wicks may be formed on the tank as shown. An annular air space 18 is provided around the burner and is supplied by air from the outside by air inlet vent 19 and duct 20 when the tank is mounted in place. A series of air holes 21 around the burner deliver the air to support combustion of the fuel at the top of the wicks.

A metallic shield 22, having a deflector plate 23 spacedly mounted under the top of the shield, which may be used as a hot plate for cooking when the covers 7 are raised, is removably mounted in the seat chamber 2 by means of lugs 24 which are sprung into loop strips 25 in the bottom of the seat chamber after having first inserted lug 26 in loop strip 27.

The inside of the exterior wall of the back chamber 3 is lined with insulating material 28 to reduce loss of heat to the outside. The top of the back chamber 3 is provided with exhaust vent 29.

In operation, when the covers 7 are closed to form a seat for the chair, the hot gases of combustion mixed with excess air warmed thereby, flow out the front of the shield 22 as shown by the arrows in the drawings, around the outside thereof to the bottom of the back chamber and up therethrough to the top thereof where they are emitted through the exhaust vent 29 after having given up more or less of their heat to the seat and the interior wall of the back chamber, furnishing the occupant of the chair with the desired warmth.

The bottom of the seat chamber may be made adaptable to receive other forms of heaters such as canned heat for example.

As already indicated above, this chair, known as the "sporteeze" chair is adapted for many uses.

What I claim is:

1. A portable chair comprising a casing forming a back and seat, a pair of collapsible runners pivotally connected to said casing and serving as legs for said chair, the seat of said chair comprising a pair of covers hingedly connected along one edge of said seat, the opposite edges of the covers joining along the middle, the casing forming the back and seat of said chair being hollow, a tank supported by the lower wall of the seat casing, and a plurality of wicks supported by the top wall of said tank.

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2. A portable chair comprising a casing forming a back and seat, a pair of collapsible runners pivotally connected to said casing and serving as legs for said chair, the seat of said chair comprising a pair of covers hingedly connected along one edge of said seat, the opposite edges of the covers joining along the middle, heat resisting material connected to the bottom of said covers, said casing forming the back and seat of said chair being hollow, a tank supported by the lower wall of the seat and a plurality of wicks supported by the top wall of said tank.

3. A portable chair comprising a casing forming a back and seat, a pair of collapsible runners pivotally connected to said casing and serving as legs for said chair, the seat of said chair comprising a pair of covers hingedly connected along one edge of said seat, the opposite edges of the covers joining along the middle, the casing forming the back and seat of said chair being hollow, a tank supported by the lower wall of the seat casing, a plurality of wicks supported the top wall of said tank, a shield disposed within the hollow seat hav-

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ing an open end, and a baffle supported by said shield to deflect heat from said wicks into the hollow seat and back of said casing.

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