

Oct. 18, 1932.

B. COLLINS

1,883,764

SUN BATH APPARATUS

Filed Nov. 4, 1929

3 Sheets-Sheet 1

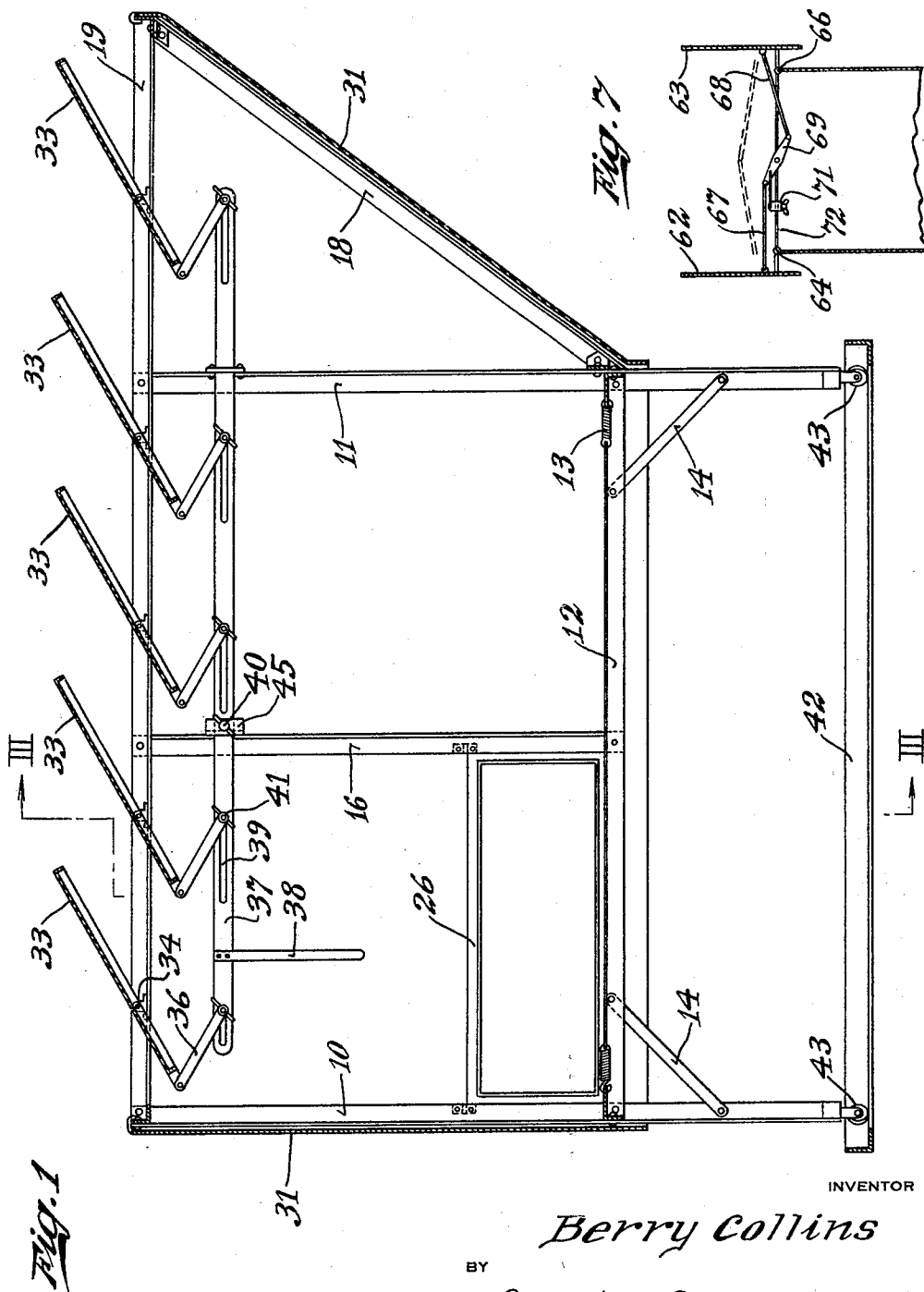


Fig. 7

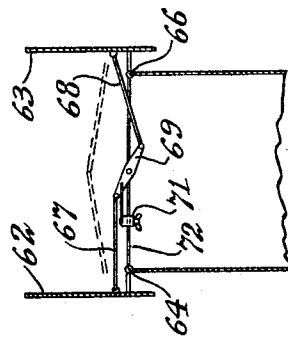


Fig. 1

BY

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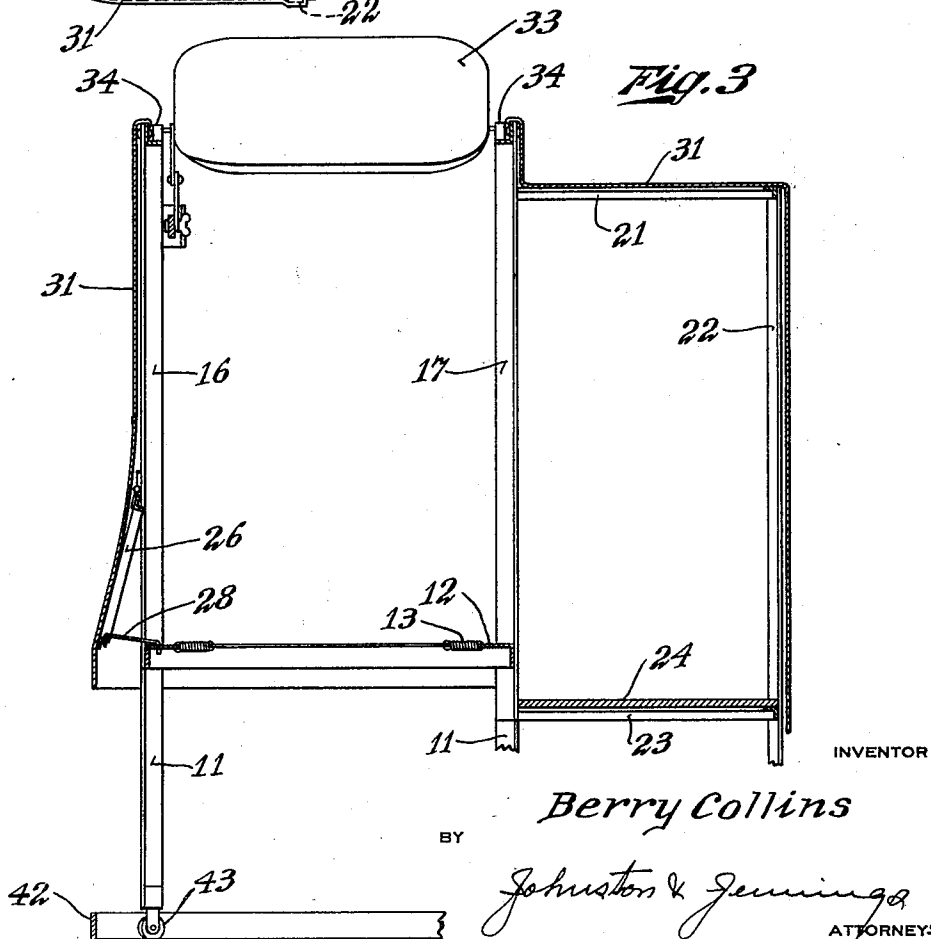
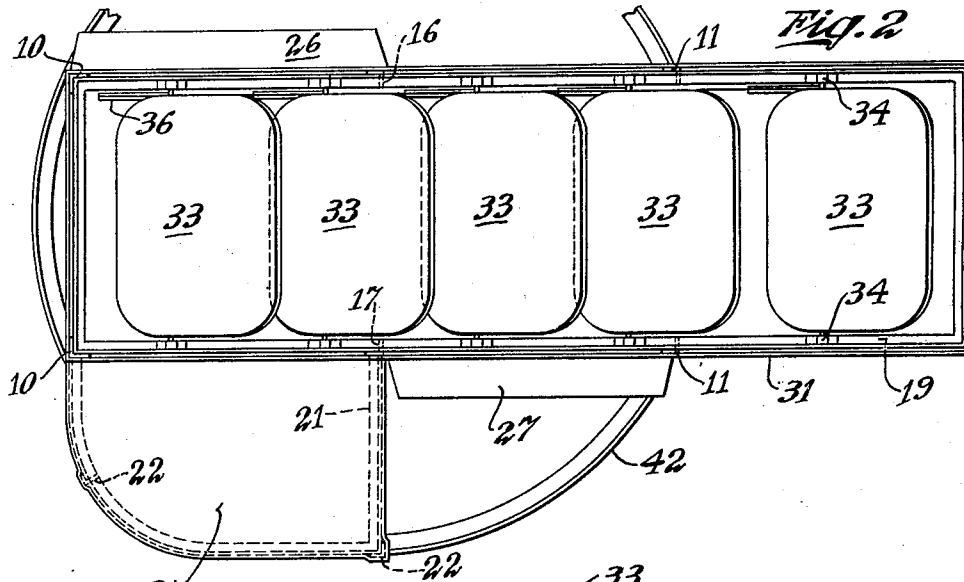
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## SUN BATH APPARATUS

Filed Nov. 4, 1929

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Oct. 18, 1932.

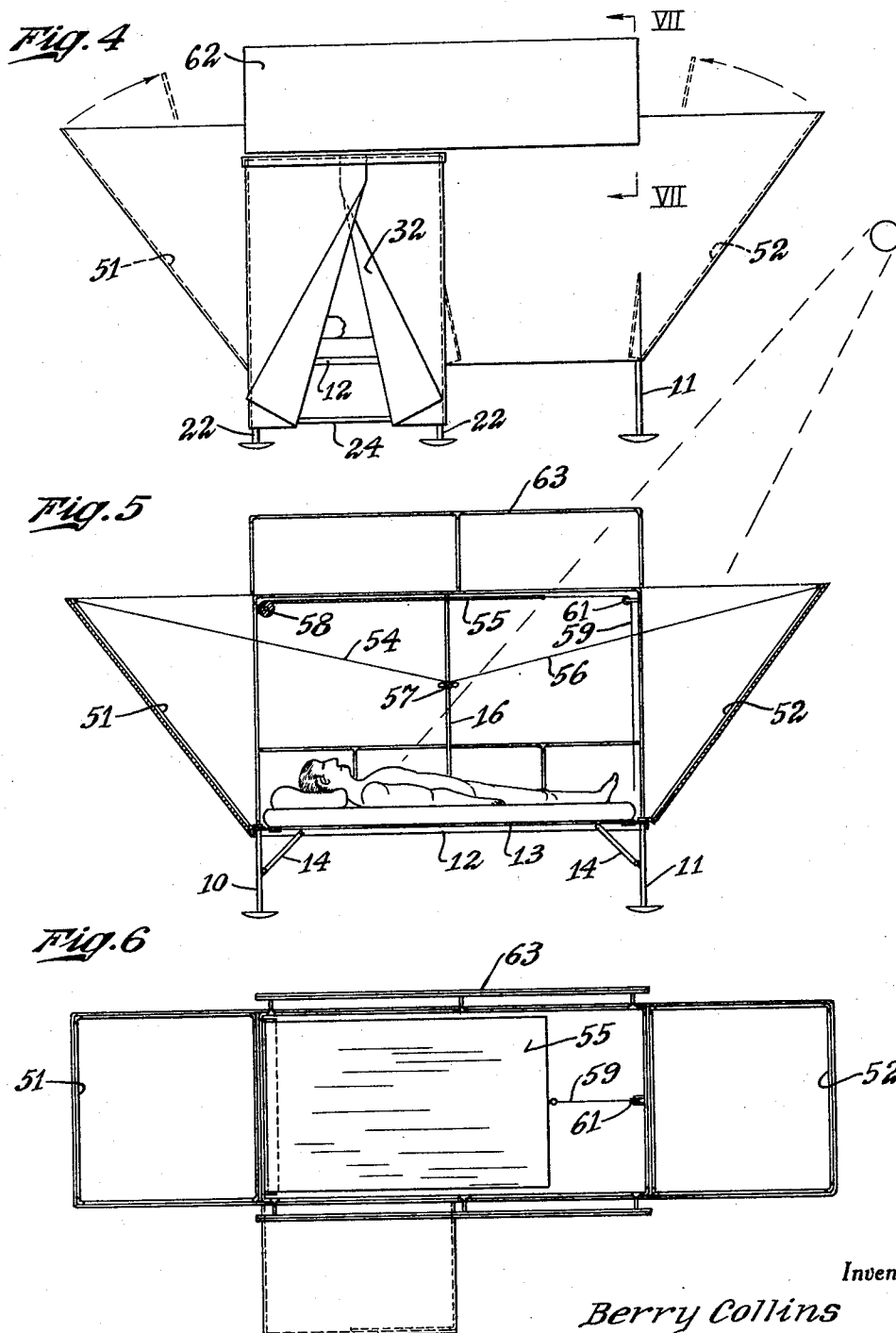
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1,883,764

SUN BATH APPARATUS

Filed Nov. 4, 1929

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# UNITED STATES PATENT OFFICE

BERRY COLLINS, OF BIRMINGHAM, ALABAMA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO  
SUN BATH COMPANY, OF BIRMINGHAM, ALABAMA, A CORPORATION

## SUN BATH APPARATUS

Application filed November 4, 1929. Serial No. 404,745.

My invention relates to sun bath apparatus and has for its object the provision of a portable sun bath which may be readily set up and used in any suitable place with convenience and privacy.

A further object of my invention is to provide a sun bath apparatus embodying a portable bed with upstanding fabric enclosure means and overhead means for selectively shading portions of the bed.

A still further object of my invention is to provide a portable sun bath, together with easily manipulated means for adapting it to the position of the sun to admit the sun rays thereto, together with adjustable means for selectively shading portions thereof.

It is now well recognized in the medical profession that the exposure of the nude human body to the sun is one of the greatest preventative measures against disease as well as a cure for certain serious ailments. It has however been heretofore difficult for persons, especially in congested areas, to be able to obtain that privacy necessary to satisfy conventions, in exposing the nude body to the sun. There has accordingly been developed numerous electrically operated devices for the artificial production of ultra-violet rays which may be operated in the privacy of the home. Such devices, while of great benefit in the prevention and treatment of disease are not nearly so beneficial as the natural sun's rays. It is accordingly the prime object of my invention to provide apparatus whereby those desiring sun ray treatments may avail themselves of these treatments in privacy in any location.

Briefly, my invention comprises a portable bed with upstanding sides and fabric enclosure together with readily adjustable overhead means for selectively shading portions of the bed. Associated with the bed on one side thereof is a small dressing room in which a person may disrobe. The construction of the enclosure is made such that the sun rays are admitted to the interior of the bath for a considerable period of the day and the overhead shading means is constructed, in the preferred embodiment of my invention, so as to prevent a person taking a

sun bath from being observed even from above the apparatus while at the same time admitting free access to the sun's rays.

Apparatus embodying features of my invention is illustrated in the accompanying drawings forming a part of this application, in which

Fig. 1 is a longitudinal vertical section of a preferred form of my invention;

Fig. 2 is a plan view thereof;

Fig. 3 is a sectional view taken along the line III—III of Fig. 1;

Fig. 4 is a side elevation showing a modified form of my invention;

Fig. 5 is a longitudinal sectional view of the apparatus shown in Fig. 4;

Fig. 6 is a plan view of the same; and

Fig. 7 is a sectional view taken along the line VII—VII of Fig. 4.

Referring to the drawings for a better understanding of my invention, I show upstanding frame members 10 and 11 arranged to support a bed frame 12 which is provided with the conventional spring 13. The bed frame 12 is braced with respect to the frame members 10 and 11 by means of corner braces 14. Extending upwardly from the bed frame 12 midway the ends, are stiffening frame members 16 and 17. Joined to the end members 11 near the juncture with the bed frame 12 is an upwardly and outwardly flaring end frame 18 which has its upper end joined to an upper frame member 19, which latter is also joined to the upper ends of the upstanding frame members 10, 11 and 16. As may be seen from Fig. 2, the upper frame 19 is rectangular and extends entirely around the bed 12.

Joined to the upstanding frame members 10 and 17 are relatively small upper and lower dressing room frames 21 and 23. The outer sides of these frames are supported by means of one or more upstanding frame members 22 at the corners thereof which extend down to the ground as seen in Fig. 4. In the lower part of the dressing room frame is a suitable floor 24 supported on the frame 23.

Hingedly secured on opposite sides of the bed are ventilating windows 26 and 27, these windows being hinged at their upper ends to

the upstanding frame members and may be propped open to afford ventilation such as by means of props 28. As will be seen in Fig. 3, these windows provide ventilation without subjecting a person to view in the sun bath.

The whole structure, as so far described, except over the frame 19, is enclosed by means of fabric 31. Where the fabric comes around the dressing room portion, it is made to overlap to form a door 32 such as is shown in Fig. 4. By the means shown, a person may enter the dressing room and disrobe, lie down on the bed 12, concealed from view by the sides. In order that the sun's rays may be selectively shaded from certain portions of the body and also to cut off the view of a person in the bath from above, I provide a cover structure comprising louver members 33 each of which is pivoted midway its ends to the frame 19 at 34. The lower ends of the louver members 33 are all connected by means of links 36 to a longitudinally extending bar 37. The bar 37 has depending from one end thereof a handle 38 which may be reached by a person lying on the bed 12 to adjust the louver members to permit the sun to enter the sun bath. The bar 37 is provided with elongated slots 39 through which the links 36 are connected to the bar by means of thumb screws 41.

If it be desired to subject only a portion of the body to the sun's rays, any one of the louver means 33 may be independently swung to a desired position by movement of the link 36 in the slot 37 and thus shade the portion of body required. Ordinarily the louver members will stay in any set position. In case they should tend to move on account of wind or other causes, they may be secured in position by means of a set screw 40 which passes through a strap 45 secured to the frame member 16.

The outwardly flaring frame 18, secured at one end of the bed, is provided for the purpose of permitting the sun to shine into the bath until it has assumed a relatively low position in the heavens. As is well known, the arc of the sun's travel across the heavens varies considerably with the seasons as well as with the hour of the day and a person using apparatus such as I have described finds frequent necessity of changing its position to permit free access of the sun at all times. In order to accomplish this, I have provided a circular track 42 which may conveniently be made of angle iron as shown. The lower ends of the frame members are provided with suitable casters 43 which rest in the track 42 so that the bed is easily turned around to any required position to admit the sun's rays.

Referring now to Figs. 4 to 7 of the drawings, I show a modified form of my invention which is adapted for use in any location where it is unnecessary to cut off the view from

above the bath. The apparatus made in accordance with this modification is similar to that already described with respect to the upstanding side frames, dressing room frame, and bed and accordingly this description will not be repeated.

In accordance with this modification, I provide upwardly and outwardly flaring end frames 51 and 52 at both ends of the bed which are pivotally connected at their lower ends to the upstanding frame members of the bed. The fabric enclosure extends around the sides and end frames as has been previously described, but the end frames may be adjustably positioned by means of cords 54 and 56 secured to the upper ends of the end frames and which may be wound around a cleat 57 carried by the upstanding frame member 16.

The outwardly flaring end frames 51 and 52 permit the sun bath to be accommodated to the sun either in the morning or afternoon without turning it end for end, the only adjustment necessary being to vary its angle to accommodate it to the varying arc of travel of the sun with the seasons. In order to selectively shade portions of the body with this modification of my invention, I provide a shade 55 mounted on a conventional roller 58 and operable by means of a cord 59 passing over a pulley 61. The apparatus made in accordance with this modification is also provided with a roof comprising similar members 62 and 63 pivotally supported at 64 and 66 at the upper end of the frames and which may be closed as indicated in dotted lines in Fig. 7. The members 62 and 63 are interconnected by means of links 67 and 68 secured to a rocker arm 69 and may be secured in either open or closed position by means of a clamp 71 connected to the rocker 69 and adapted to bear against a cross frame member 72.

While I have shown my invention in but two forms, it will be obvious to those skilled in the art that it is not so limited but is susceptible to various other changes and modifications, without departing from the spirit thereof and I desire therefore that only such limitations be placed thereupon as are imposed by the prior art, or as are specifically set forth in the appended claims.

What I claim is:

1. In a sun bath, a portable bed, upstanding side frame members around the bed, fabric enclosure means supported on the frames, a window frame pivoted at its top to the side frame, and covered by the fabric, a plurality of adjustable shading means over the bed to intercept the sun's rays, and means adapted to actuate all of said shading means simultaneously.

2. In a sun bath, a portable bed, upstanding side frame members around the bed, an upwardly and outwardly flaring end frame

member, fabric enclosure means supported on the frames, a window frame pivoted at its top to the side frame and covered by the fabric, a plurality of louver members pivotally supported midway their ends and disposed above the bed, means for adjustably positioning the louver members to shade selected portions of the bed, and means accessible to a person in prone position on the bed for opening and closing the louver members in unison.

3. In a sun bath apparatus, a non-rotatable supporting base, a fabric enclosed upstanding main frame constituting an enclosure, a bed within the said enclosure and supported by said main frame, a fabric enclosed dressing room at the side of said frame and connected thereto and in communication with said enclosure, said main frame and dressing room being mounted to rotate as a unit on said base, said dressing room being provided with a floor at a level substantially below that of said bed.

4. In a sun bath apparatus, a circular track, a fabric enclosed upstanding main frame constituting an enclosure, a bed within the said enclosure and supported by said main frame, a fabric enclosed dressing room at the side of said frame and connected thereto and in communication with said enclosure, said main frame and dressing room being mounted to rotate as a unit on said track, said dressing room being provided with a floor at a level substantially below that of said bed.

5. In a sun bath apparatus, a circular track, a fabric enclosed upstanding main frame constituting an enclosure, a bed within the said enclosure and supported by said main frame, a fabric enclosed dressing room at the side of said frame and connected thereto and in communication with said enclosure, said main frame and dressing room being mounted to rotate as a unit on said track, said dressing room being provided with a floor at a level substantially below that of said bed, and being also provided with an entrance leading from the exterior.

In testimony whereof I affix my signature.  
BERRY COLLINS.