

May 23, 1933.

C. H. CROSS

1,910,463

SUNBATH AND OUTDOOR SLEEPING ROOM

Filed May 12, 1930

2 Sheets-Sheet 1

Fig. 1.

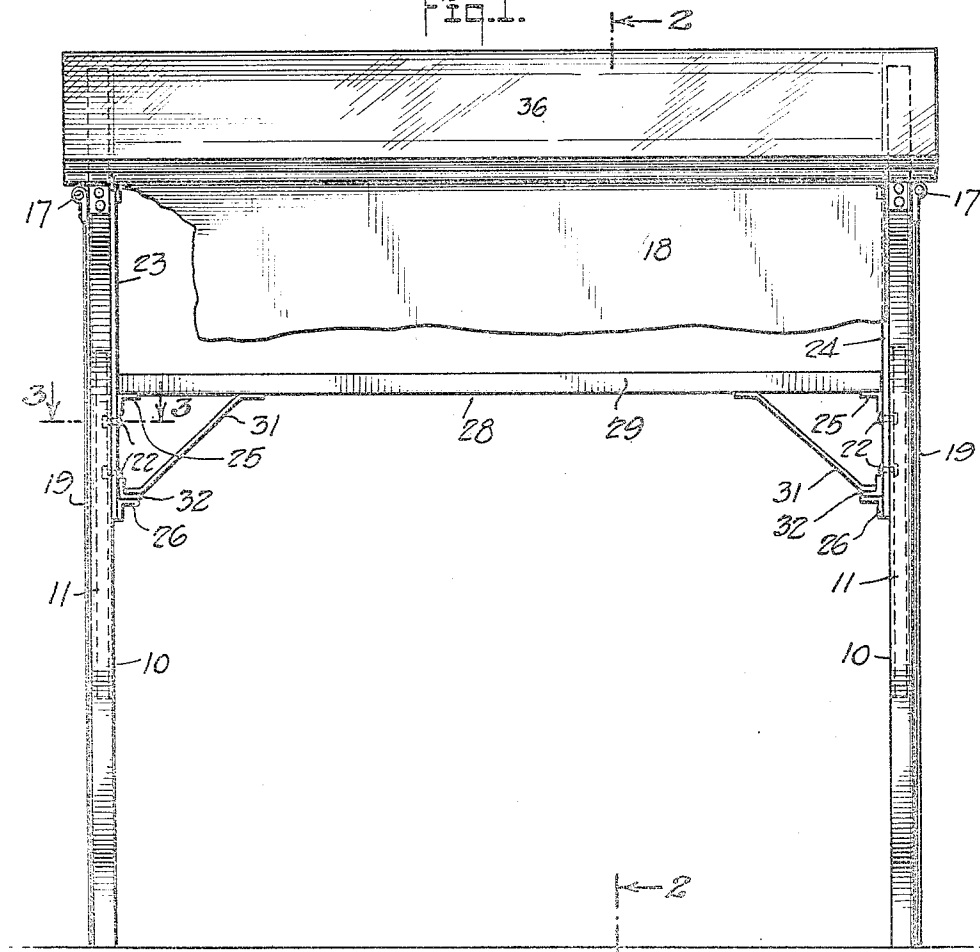
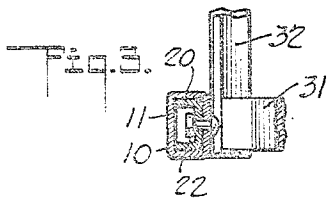
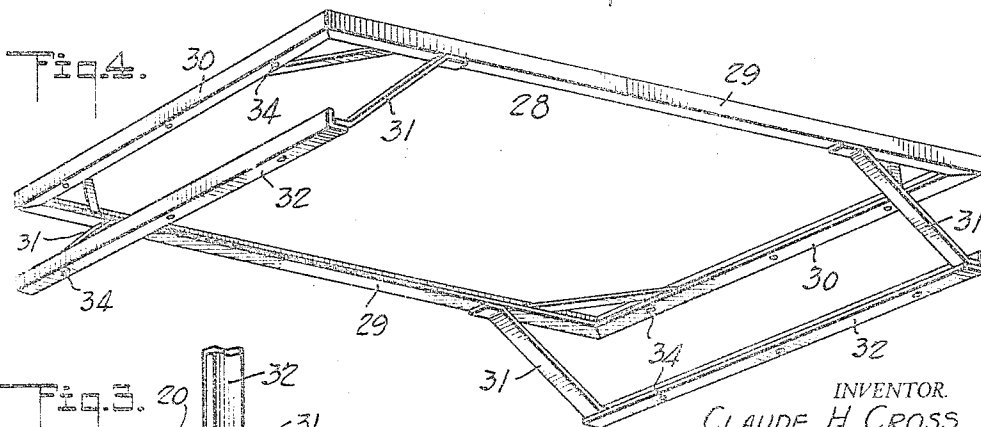


Fig. 4.



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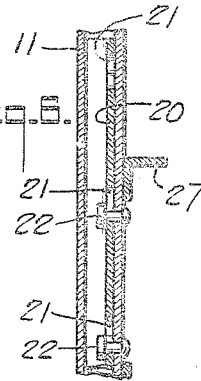
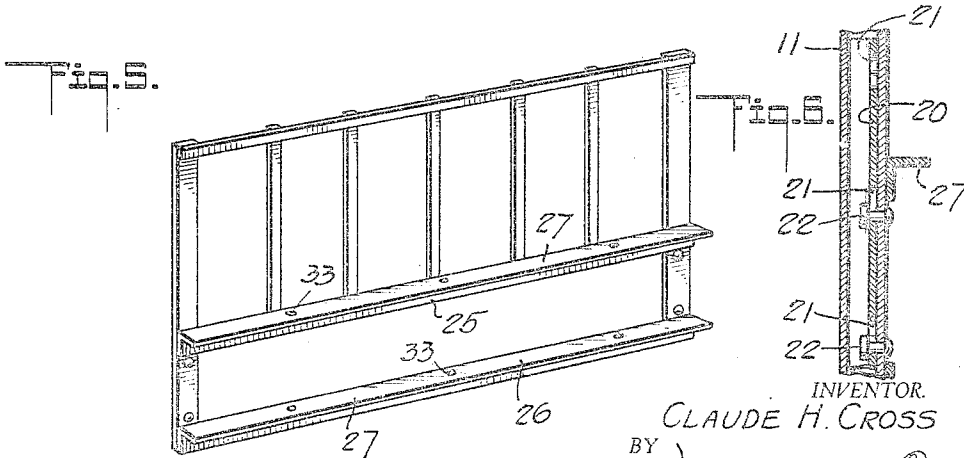
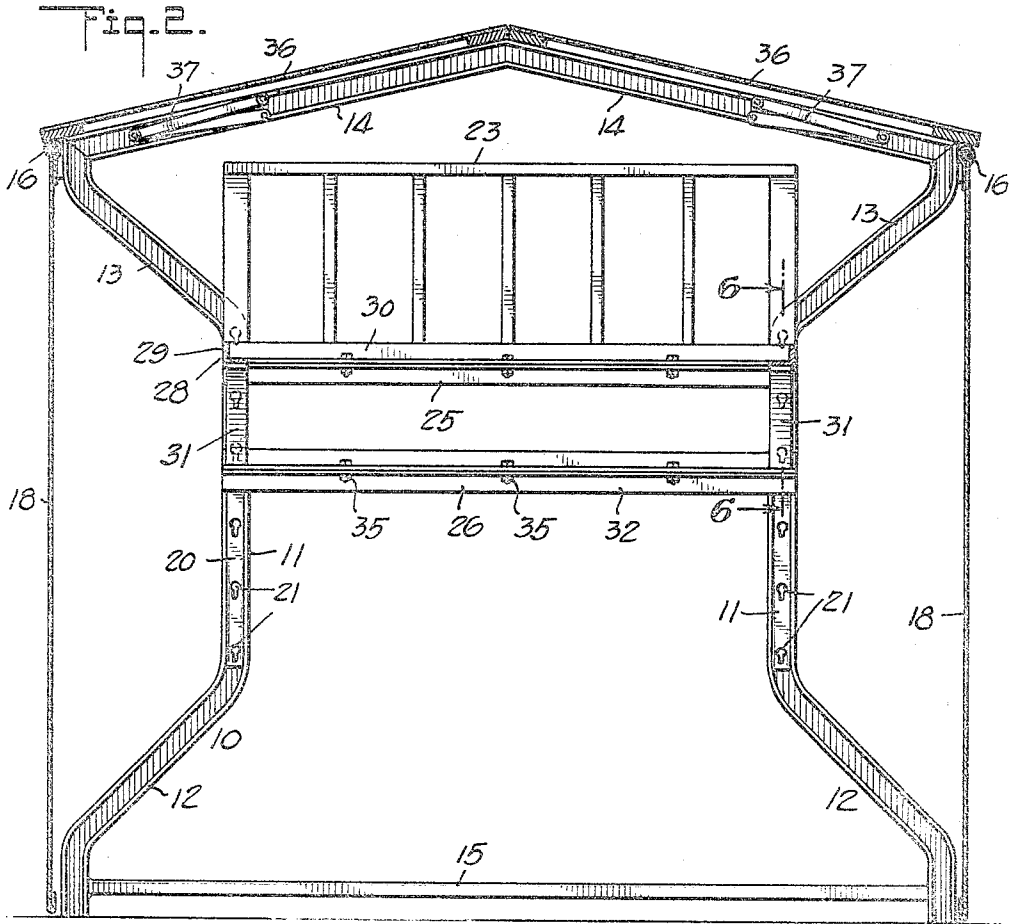
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2 Sheets-Sheet 2



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SUNBATH AND OUTDOOR SLEEPING ROOM

Application filed May 12, 1930. Serial No. 451,823.

My invention relates to sunbaths and sleeping rooms, and has for an object the provision of means whereby the human body may be exposed to natural sunlight in such
5 manner that the body will be directly subjected to the invigorating, beneficial and oft-times curative properties of the ultra-violet rays.

Another object of the invention resides in the provision of a structure of this character which is portable, one which is of light weight, strong and durable, and one which is characterized by means that enables the structure to be readily set up or
15 knocked down, as the occasion necessitates.

Another object of the invention is to provide a portable structure embodying the use of a novel frame which functions both as a means for supporting a bed or the like and
20 for supporting the walls of the structure so as to produce an enclosure for the bed and to afford a satisfactory place of seclusion or privacy for the occupant.

Another object of the invention is to provide a structure of this character embodying an enclosure having means capable of adjustment to respectively different positions and which, when adjusted to one position, serves to protect the interior of the enclosure against the entrance of the elements
30 thereto and which, when adjusted to another position, serves to direct a flood or an abundance of sunlight into the enclosure, where its full benefit may be had when impressed upon the body of the user.

Another object of the invention is to provide a structure of this character including an enclosure having a hinged top or roof directly superposed with respect to a vertically adjustable bed so that, when the top or roof is opened, the bed can be moved to a position where the sun's rays can be most beneficially spent against the body of the
40 patient.

A still further object of the invention is to provide means of the character described embodying the use of an enclosure and means therewithin for supporting the bed for vertical and horizontal adjustments, respectively, so that, by virtue of the hori-
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zontal adjustment, a comparatively wide dressing space will be provided between one side of the bed and an adjacent wall of the enclosure.

In the accompanying drawings, 55

Figure 1 is a view in side elevation of the device with parts broken away;

Figure 2 is a section taken on line 2—2 of Figure 1;

Figure 3 is a transverse section taken on
60 line 3—3 of Figure 1;

Figure 4 is a perspective view of the adjustable spring support;

Figure 5 is a perspective view of the head
65 board; and

Figure 6 is a vertical section taken on line 6—6 of Figure 2.

In carrying the invention into practice, use is made of a supporting frame comprising substantially identical vertically disposed end members 10, 10, each preferably constructed of metal and including spaced apart vertical branches 11, angularly related base portions 12, angularly related
75 upper portions 13, and forwardly and upwardly inclined roof-supporting portions 14. The lower portions 12 are connected together by a suitable strengthening bar 15. Each of these frame members 10 is preferably U-
80 shaped in transverse section, as clearly shown in Figure 3.

The members 10 can be placed at any suitable distance from one another, depending upon the length of the structure to be provided. Connected to the spaced apart members 10 are side bars or rods 16 and similar end bars or rods 17, the former and the latter serving as means for suspending the side and end walls 18 and 19, as illustrated herein. These side and end walls are preferably formed of canvas and extend clear to the base of the structure. In addition to their employment as means to suspend these curtains, these rods or bars 16 and 17 serve to connect the members 10 together and to
95 give strength, rigidity and durability thereto when the structure is set up.

The vertical portions 11 of each of the aforementioned frame members 10 have nested in the channels thereof and securely
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welded therein U-bars 20, and, as illustrated, said U-bars are each formed with a longitudinal series of bayonet slots 21 equidistantly spaced apart from each other so as to removably accommodate the attaching or connecting pins 22 on the head and foot boards 23 and 24, respectively. In this manner, the said head and foot boards can be vertically adjusted with respect to the top of the structure.

Each of the said head and foot boards 23 and 24 is provided with spaced apart horizontally disposed angle bars 25 and 26 and, as illustrated, the horizontal flange 27 of each bar extends the full length of the board. A spring support 28 consisting preferably of parallel side rails 29, 29, and parallel end rails 30, 30 is adapted to co-act with the respective head and foot boards 23 and 24. Extending from the side rails 29 are brackets 31, the same arranged in pairs adjacent to the respective end rails 30, 30. The respective pairs of bars 31, 31, are connected together by a transverse bar 32. These bars 32 are arranged to directly underlie the respective end rails 30 of the spring support so that they will rest upon the angle bars 26 while the end rails 30 of the spring support are in resting engagement with the bars 25. The bars 25 and 26 have their flanges 27 formed with spaced apart vertical openings 33 which are adapted to register with similar openings 34 formed in the rails 30 and the bars 32, and same are adapted for the reception of fastening bolts 35. In this manner, the head and foot boards may be firmly connected with the spring support and means are provided whereby the spring support may be adjusted laterally in the direction of one of the side walls 18 in order to present a wide dressing space between the opposite side wall 18 and the adjacent side rail 29 of the spring support. This is made possible through the fact that the end rails 30 and the bars 32 of the spring support are slidably supported upon the bars 25 and 26 of the respective head and foot boards. Obviously it follows that when it is desired to adjust the spring support in a lateral direction, the fastenings 35 are removed. When the spring support is in the position shown in Figure 2, all of the fastenings 35 are connected with the bars 32 and end rails 30 of the spring support and with the co-acting bars 25 and 26 of said head and foot boards. But when a position of lateral adjustment of the spring support is had, certain of the fastenings 35 will not be employed. This is because of the fact that I have shown three openings 33 in each of the bars 25 and 26, and a corresponding number in each of the bars 30 and 32. I may, of course, employ a greater number of such openings, in which event all of the fastenings which are employed when the

spring support is in the position shown in Figure 2 may correspondingly be employed when the support is in its position of lateral adjustment.

I have now described a structure made up principally of a main frame and a bed frame, and incident to the fact that the main frame supports the curtains 18 and 19, an enclosure is provided entirely around the occupant. I have also provided a structure having an open top by means of which natural sunlight will be free to enter the enclosure, where its effect may be spent against the body of the person. By providing for vertical adjustment of the spring support, the bed can be placed at a position near the open top of the enclosure, so that the full effect of the sun's rays may be had.

The open top of the structure is provided with co-acting hinged roof sections 36, 36, which normally rest upon the inclined bars 14, 14, of the frame members 10, 10. Toggle links 37 respectively connect the roof sections 36 with the inclined portions 14 of the frame members 10 so that the said sections may be held in positions of open adjustment. The roof sections 36 are preferably constructed of any suitable well known transparent material which will permit the effect of the ultra-violet rays to be spent upon the body of a person undergoing treatment. Ordinarily it is intended that the natural sunlight be directly admitted into the enclosure, in which event the roof sections 36 would be adjusted to their fully open positions.

It is proposed that the structure be of such height that one cannot see thereinto from the outside. The roof sections are also intended to serve to obstruct the vision of persons positioned at a height above the structure, thereby giving the occupant of the structure absolute seclusion.

I claim as my invention:

1. A bed structure comprising spaced apart frame members, means connecting the frame members together, each frame member having an upper portion and inwardly offset spaced apart intermediate vertical portions, the said upper portions of the respective frame members adapted to support a canopy so that the side walls thereof are spaced laterally from said offset portions of the frame members, head and foot members connected for vertical adjustment with the said offset portions of the respective frame members, and a spring support slidably mounted for horizontal adjustment on the respective head and foot members and adapted to be moved to a position thereon where one side thereof abuts one side wall of the supported canopy, whereby to provide a dressing space between the other side of

said spring support and another side wall of the supported canopy.

2. A bed structure comprising spaced apart frame members, means connecting the frame members together, each frame member having an upper portion and inwardly offset spaced apart intermediate vertical portions, the said upper portions of the respective frame members adapted to support a canopy so that the side walls thereof are spaced laterally from said offset portions of the frame members, head and foot members connected for vertical adjustment with the said offset portions of the respective frame members, a spring support slidably mounted for horizontal adjustment on the respective head and foot members and adapted to be moved to a position thereon where one side thereof abuts one side wall of the supported canopy, whereby to provide a dressing space between the other side of said spring support and another side wall of the supported canopy, and means for securing the spring support in a fixed position on said head and foot members.

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